

ORIENTAL MOTOR Co., Ltd.
Network converter
NETC02-CC

Sample Screen Manual

Mitsubishi Electric Corporation

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REVISIONS

Sample Screen Manual

Date	Control No.*	Description
2015/7	BCN-P5999-0567	First edition

* The Control No. is noted at the lower right of each page.

Project Data

Date	Project data	GT Designer3*	Description
2015/7	ORIENTAL_NETC02-CC_V_Ver1_E.GTX	1.131M	First edition

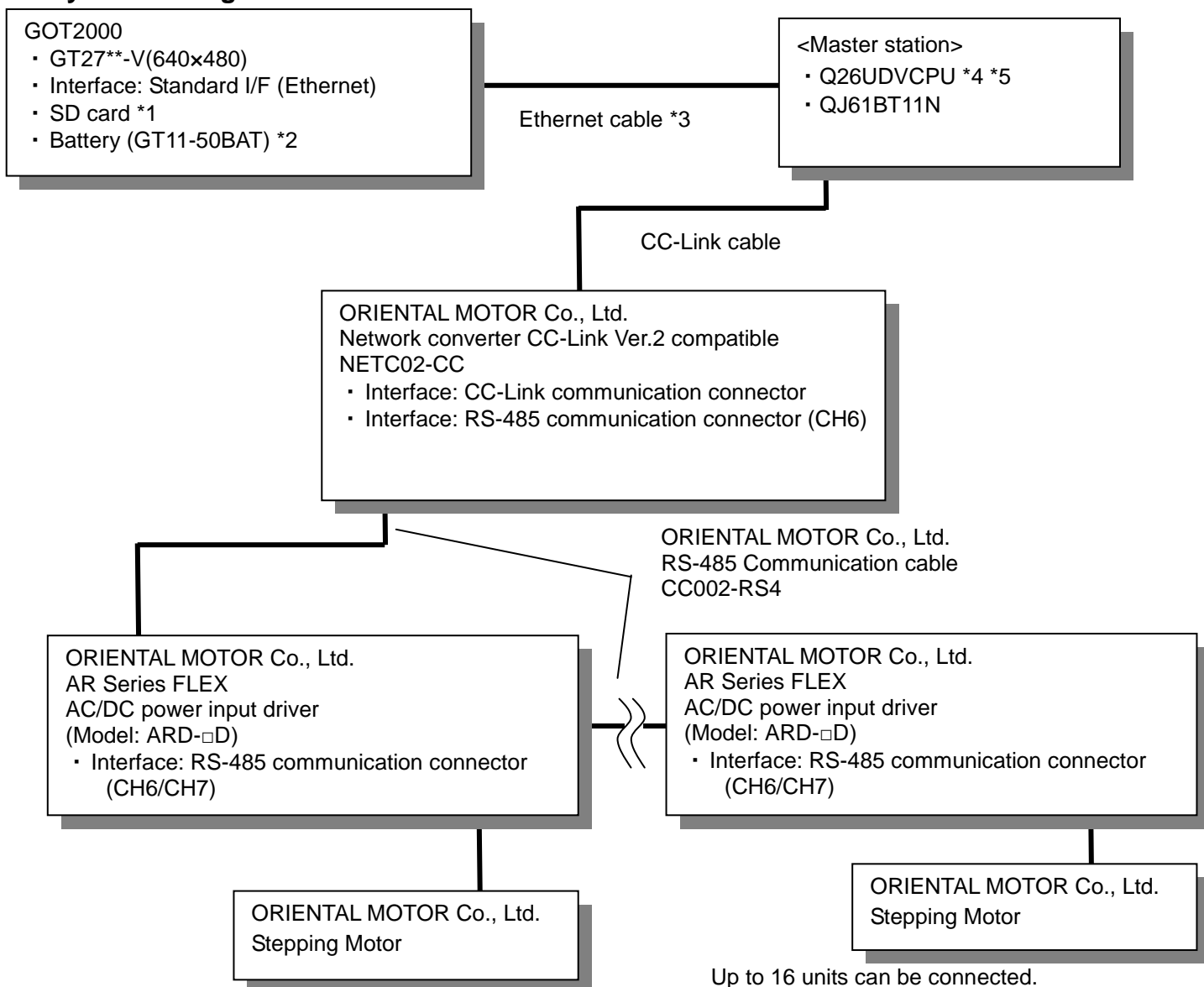
* The version number of screen design software used to create the project data is listed. Please use the screen design software with the listed version or later.

1. OUTLINE

This manual explains sample screens of GOT2000 connected to ORIENTAL MOTOR Co., Ltd. AR Series FLEX driver (ARD-□D). The sample screen provides the system configuration in which GOT2000 is connected to MELSEC-Q series PLC in Ethernet communication, and ORIENTAL MOTOR Co., Ltd. AR Series FLEX driver (ARD-□D) is connected to the MELSEC-Q series PLC with ORIENTAL MOTOR Co., Ltd. network converter NETC02-CC being connected therebetween in CC-Link communication. The sample screen is used to monitor or change the current value and setting value of the stepping motor.

2. SYSTEM CONFIGURATION

2.1 System Configuration



*1: The SD card is used for the document display and recipe functions.

*2: The battery is used for the backup of the clock data. (The battery is provided with the GOT as standard.)

*3: For more details about the cable, please refer to the "GOT2000 Series Connection Manual (Mitsubishi Products)".

*4: Since the ladder program occupies a large portion of the program memory capacity, use Q26UDVCPU.

When you use the CPU whose capacity is smaller than that of Q26UDVCPU, select and limit the screen and ladder program to be used.

*5: The ladder program is included in the following folder.

<Installation path for screen design software>¥GTD3_2000¥App¥SampleProject

3. GOT

3.1 System Applications That Are Automatically Selected

Type	System application name	
Standard Function	Standard System Application	
	Standard Font	Japanese
Communication Driver	Ethernet Connection	Ethernet (MELSEC), Q17nNC, CRnD-700, Gateway
Extended Function	Standard Font	
	Chinese (Simplified)	
	Outline Font	Alphanumeric/Kana
		Japanese (Kanji)
		Chinese (Simplified)
	Document Display	

3.2 Controller Setting of Screen Design Software

Detail Setting

Item	Set value	Remarks
GOT NET No.	1	
GOT Station No.	1	
GOT Ethernet Setting	Refer to table below	
GOT Communication Port No.	5001	
Retry (Times)	3	
Startup Time (Sec)	3	
Timeout Time (Sec)	3	
Delay Time (ms)	0	

GOT Ethernet Setting

Item	Set value	Remarks
Reflect GOT Ethernet setting in the GOT	Checked	
GOT IP Address	192.168.3.18	
Subnet Mask	255.255.255.0	
Default Gateway	0.0.0.0	
Peripheral S/W Communication Port No.	5015	
Transparent Port No.	5014	

3.3 Ethernet Setting of Screen Design Software

	Host	Net No.	Station	Unit Type	IP Address	Port No.	Communication
1	*	1	2	QnUD(P)V/QnUDEH	192.168.3.39	5006	UDP

3.4 Overlap Window Setting of Screen Design Software

[Close the window when switching base screens] of [Detail Setting] for overlap window in [Screen Switching/Window] is enabled to close the window when switching base screens.

4. CC-Link module (Q series)

4.1 Network parameter setting for PLC engineering software

Item	Set value	Remarks
No. of boards in module	1	
Start I/O No.	0000H	
Operation setting	Enable the cyclic data block secure setting per station	
Type	Master station	
Mode setting	Remote net Ver.2 mode	
Total No. of connectable module	1	
Remote input (RX)	X1000	
Remote output (RY)	Y1000	
Remote register (RW _r)	W0	
Remote register (RW _w)	W1000	
Special relay (SB)	SB0	
Special register (SW)	SW0	
Number of retries	Default value	
Number of auto-replication		
Standby master station No.		
CPU down specification		
Scan mode specification		
Delay time setting		
Station info setting	Refer to 4.2	
Remote device station initial setting	Default value	
Interrupt setting		

4.2 Station information setting of network parameter

Item	Set value	Remarks
Station type	Ver2. Remote device station	
Extended cyclic setting	4-fold	
Number of occupied station	4 stations	
Number of remote station	448 stations	
Reserved/Disable station specification	No setting	

5. Network converter and driver

5.1 Communication Settings for the Network converter

When our company checks the controller, the set values are as follows.

(1) Settings for the dip switch and rotary switch of the network converter

Item	Set value	Remarks
RS-485 communication connector setting switch (N-AXIS)	N-AXIS=1	Number of connector: 1
CC-Link station number setting switch (STATION No.)	STATION No.=1	Station number: 1
CC-Link transmission baudrate setting switch (B-RATE)	B-RATE=4	10Mbps
Function setting switch (SW4)	No.2=ON	Extended cyclic setting: 4-fold

5.2 Communication Settings for the AC power input driver

When our company checks the controller, the set values are as follows.

(1) Parameter settings

Item	Set value	Remarks
Communication stop bit	1 bit	
Communication parity	Even number	

(2) DIP and rotary switch settings of the driver

Item	Set value	Remarks
Address number setting switch(ID)	ID=0	Change the value for each connected driver.
Transmission rate setting switch(SW2)	SW2=7	625000bps
Function setting switch(SW4)	No.1,No.2=OFF	OFF: Select the network converter
Termination resistor setting switch(TERM.)	No.1,No.2=OFF	Only set termination resistor for the driver located farthest away (positioned at the end) to on.

5.3 Communication Settings for the DC power input driver

When our company checks the controller, the set values are as follows.

(1) Parameter settings

Item	Set value	Remarks
Communication stop bit	1 bit	
Communication parity	Even number	

(2) DIP and rotary switch settings of the driver

Item	Set value	Remarks
Address number setting switch(ID)	ID=0	Change the value for each connected driver.
Transmission rate setting switch(SW2)	SW2=7	625000bps
Function setting switch(SW4)	No.2=OFF	OFF: Select the network converter
Termination resistor setting switch(TERM.)	No.4=ON	Only set termination resistor for the driver located farthest away (positioned at the end) to on.

5.4 Supported driver for the sample

The sample can be used with the driver whose date of production or driver version meet the below conditions.

(1) The date of production

January 2014 or after

*The date of production is recorded on the driver plate.

(2) Driver version

AC power input driver : Ver.2.00 and later

DC power input driver : Ver.2.01 and later

*Driver version can be confirmed with the status and I/O monitor of the data setting software MEXE02.

6. SCREEN SPECIFICATIONS

6.1 Display Language

The language of the text displayed on the screen can be switched between Japanese, English and Chinese (Simplified). The text strings in each language are registered in the columns No.1 to No.3 in the comment groups No.497 to No.500 as shown below. When the column No. is set in the language switching device, the language corresponding to the column No. will appear.

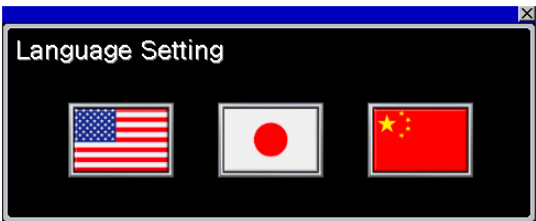
Column No.	Language
1	English
2	Japanese
3	Chinese (Simplified)

6.2 Screen List/Transition

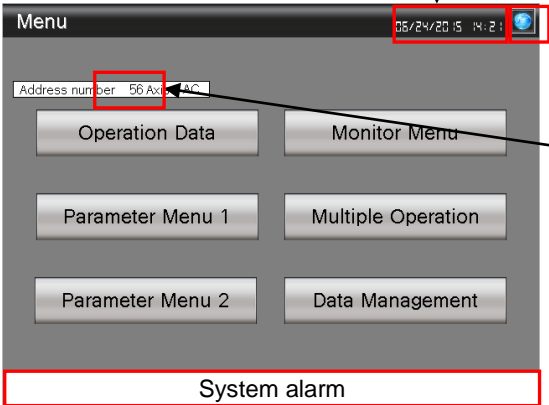
6.2.1 Screen list/transition (common)



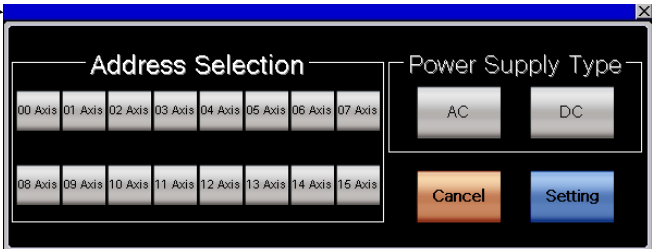
Window screen W-30003: Clock Setting



Window screen W-30002: Language Setting



Base screen: All base screens



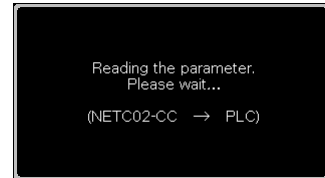
Window screen W-30004: Axis Switching
(Except for B-30001, B-31022 to 31025)



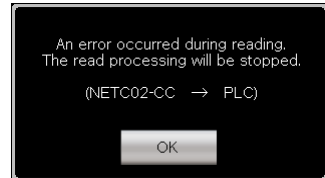
Window screen W-30001: Alarm Reset



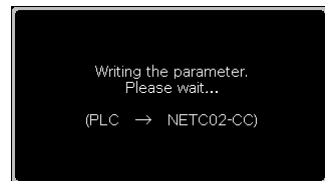
Base screen: Operation data / Parameter / Monitor (I/O) / Test Operation



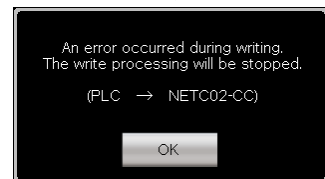
Window screen W-30010: Reading dialog



Window screen W-30012: Read error dialog



Window screen W-30011: Writing dialog

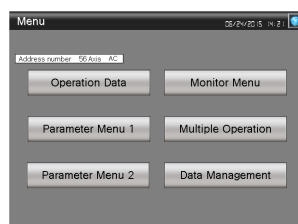


Window screen W-30013: Write error dialog

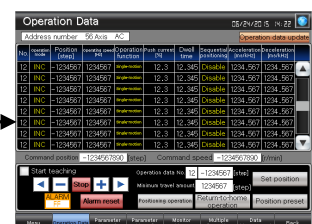
6.2.2 Screen list/transition (individual)



Base screen B-30001: AC/DC selection screen



Base screen B-30002: Menu

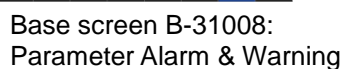
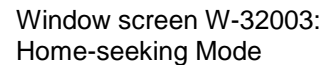
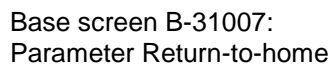
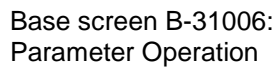
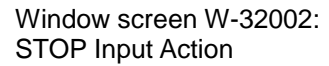
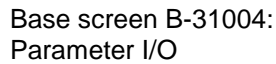
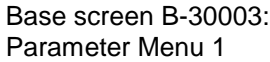


Base screen B-31002: Operation Data



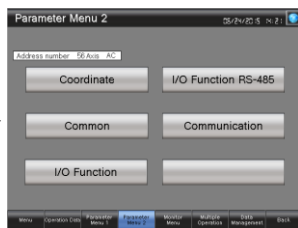
Window screen W-32001: Operation Data Input

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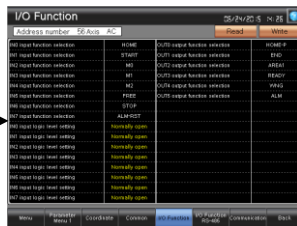
Base screen B-30004:
Parameter Menu 2



Base screen B-31010:
Parameter Coordinate



Base screen B-31011:
Parameter Common



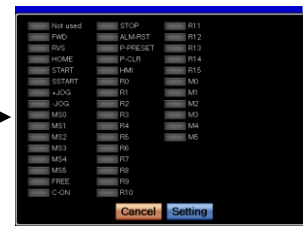
Base screen B-31012:
Parameter I/O Function



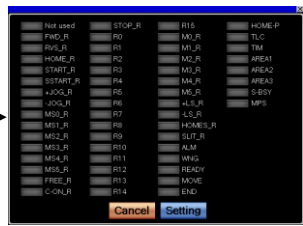
Base screen B-31013:
Parameter I/O Function RS-485



Base screen B-31014:
Parameter Communication



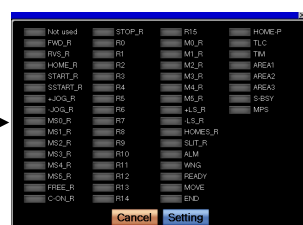
Window screen W-32004:
IN Input Function Selection



Window screen W-32006:
OUT/NET-OUT Function Selection



Window screen W-32005:
NET-IN Input Function Selection



Window screen W-32006:
OUT/NET-OUT Function Selection

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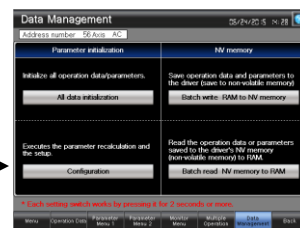
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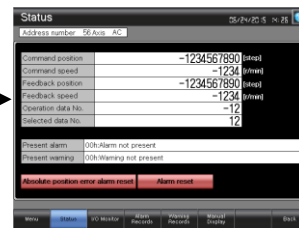
Base screen B-30005:
Monitor Menu



Base screen B-31022 to 31025:
Test Multi Operation



Base screen B-31030:
System Data Management



Base screen B-31015:
Monitor Status



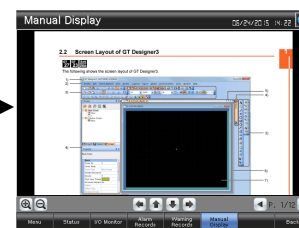
Base screen B-31016:
Monitor I/O Monitor



Base screen B-31018:
Monitor Alarm Records



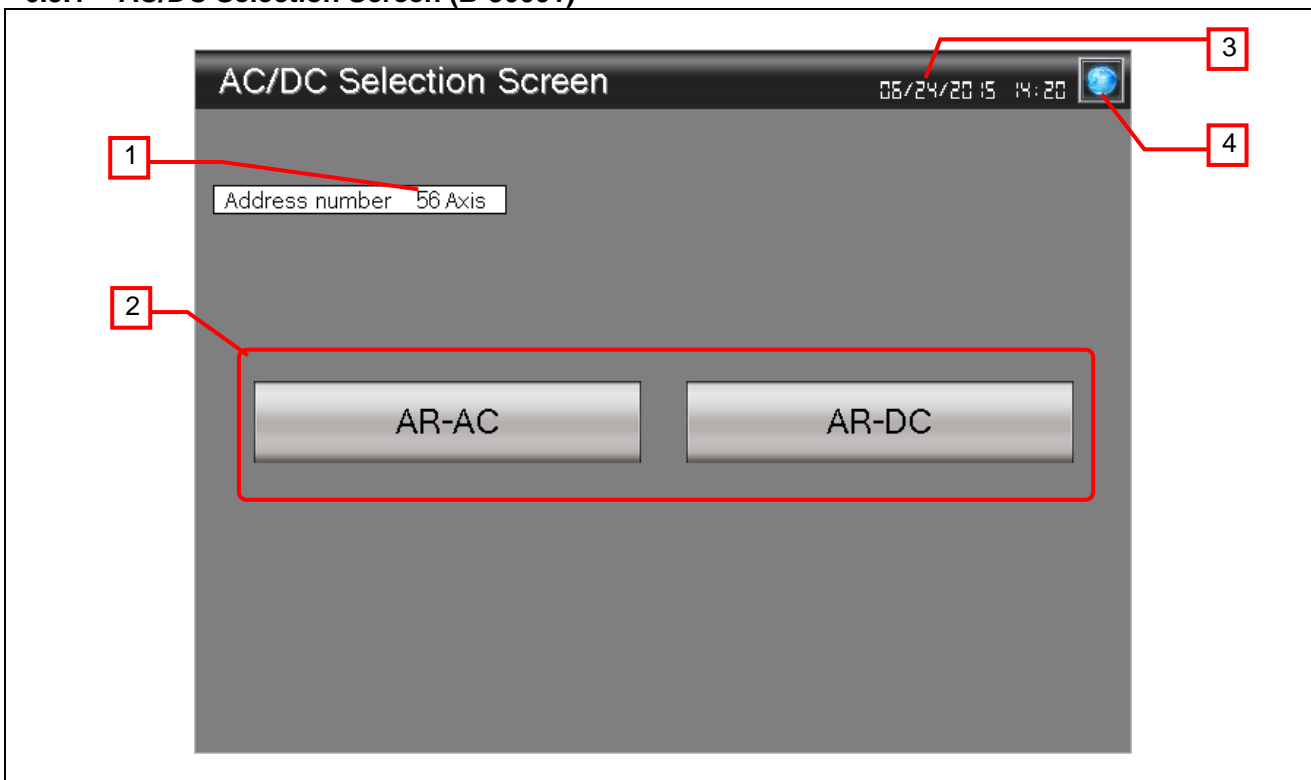
Base screen B-31019:
Monitor Warning Records



Base screen B-30500:
Manual Display

6.3 Explanation of Screens

6.3.1 AC/DC Selection Screen (B-30001)



Outline

Select AC/DC power supply.

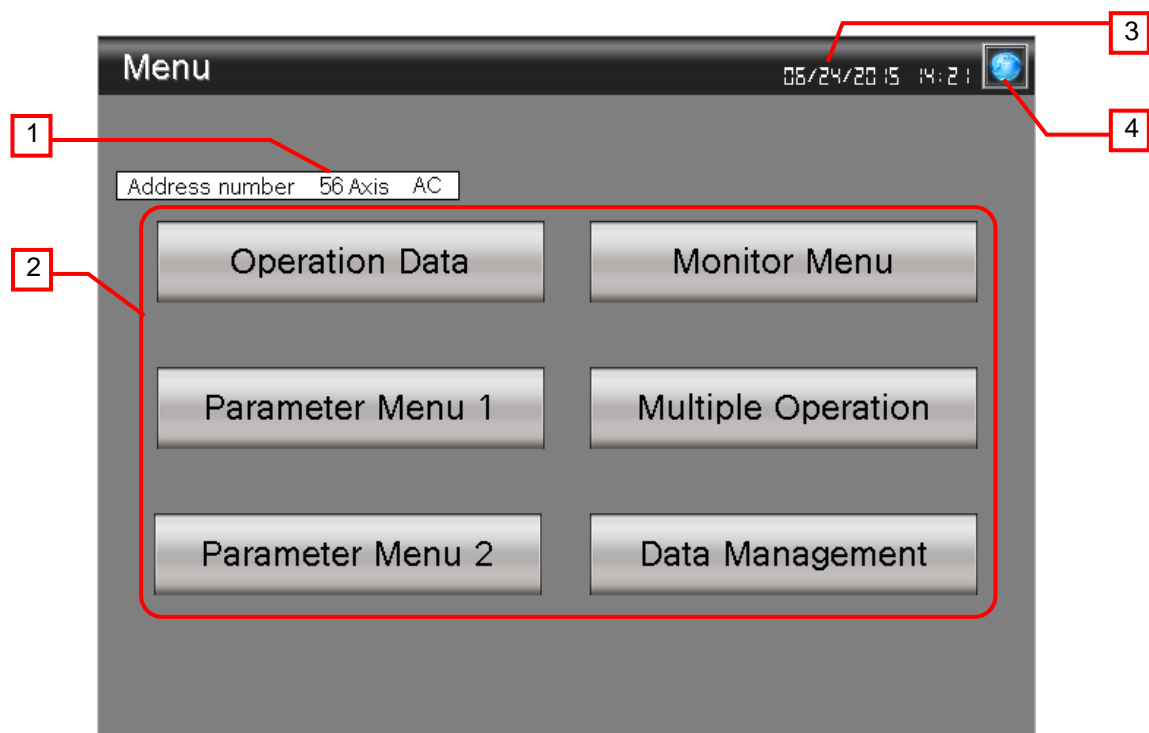
Description

1. Displays the address number of the driver to be monitored. The address number can be changed by touching the numerical value.
2. Specifies the power supply type of the driver to be monitored.
3. Displays the current date and time. Touch the button to open the [Clock Setting] window.
4. Opens the [Language Setting] window.

Remarks

- When GOT is started, the address number is set to "0" with the project script. For more details about scripts, please refer to "6.6 Script List".
- If a system alarm occurs, the alarm message will appear at the bottom of the screen. When touching the left end of the message, the display position of the message changes in the order of upper, center, and lower. When touching the other part of the message, the [Alarm Reset] window appears.

6.3.2 Menu (B-30002)



Outline

This is the Menu screen.

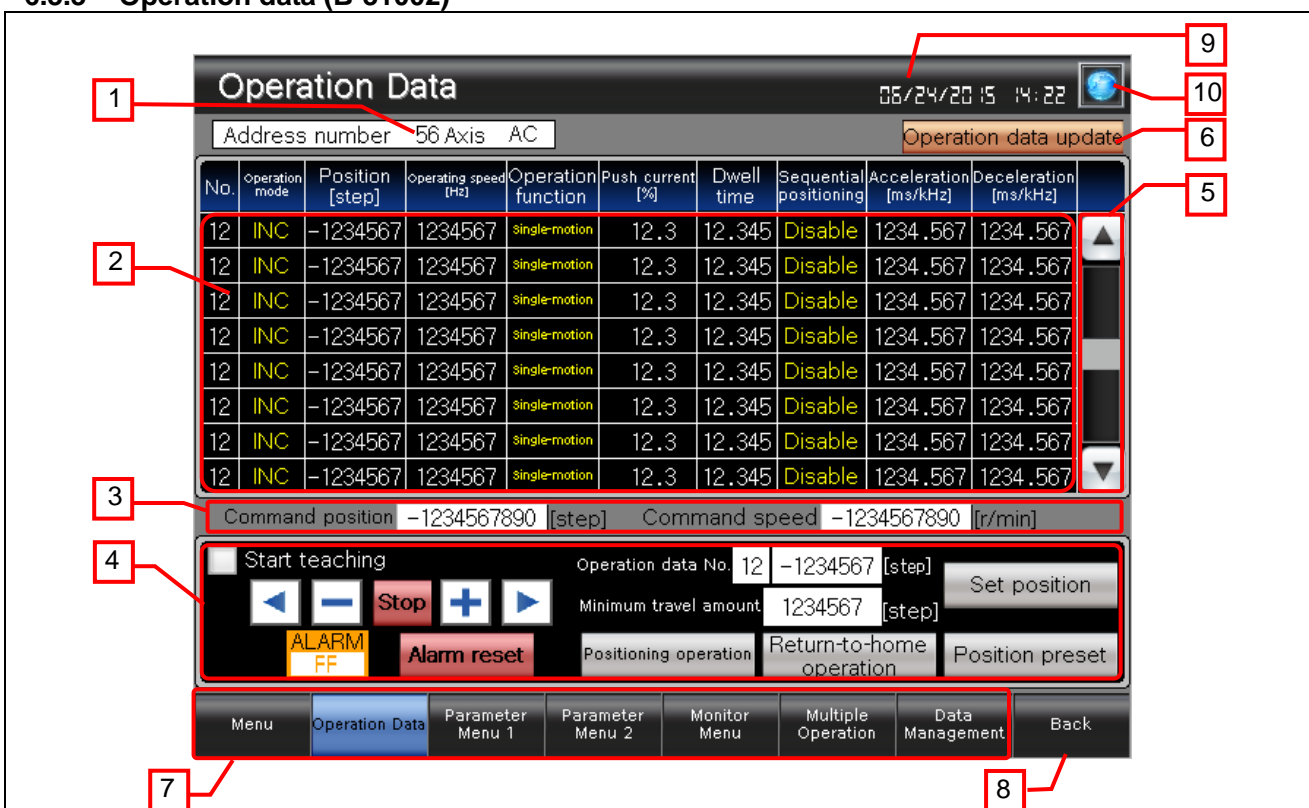
Description

1. Displays the address number of the driver to be monitored. Touch the button to open the [Axis Switching] window.
2. Switches to each screen.
3. Displays the current date and time. Touch the button to open the [Clock Setting] window.
4. Opens the [Language Setting] window.

Remarks

- If a system alarm occurs, the alarm message will appear at the bottom of the screen. When touching the left end of the message, the display position of the message changes in the order of upper, center, and lower. When touching the other part of the message, the [Alarm Reset] window appears.

6.3.3 Operation data (B-31002)



Outline

This screen displays/changes the operation data of the driver and operates the stepping motor.

Description

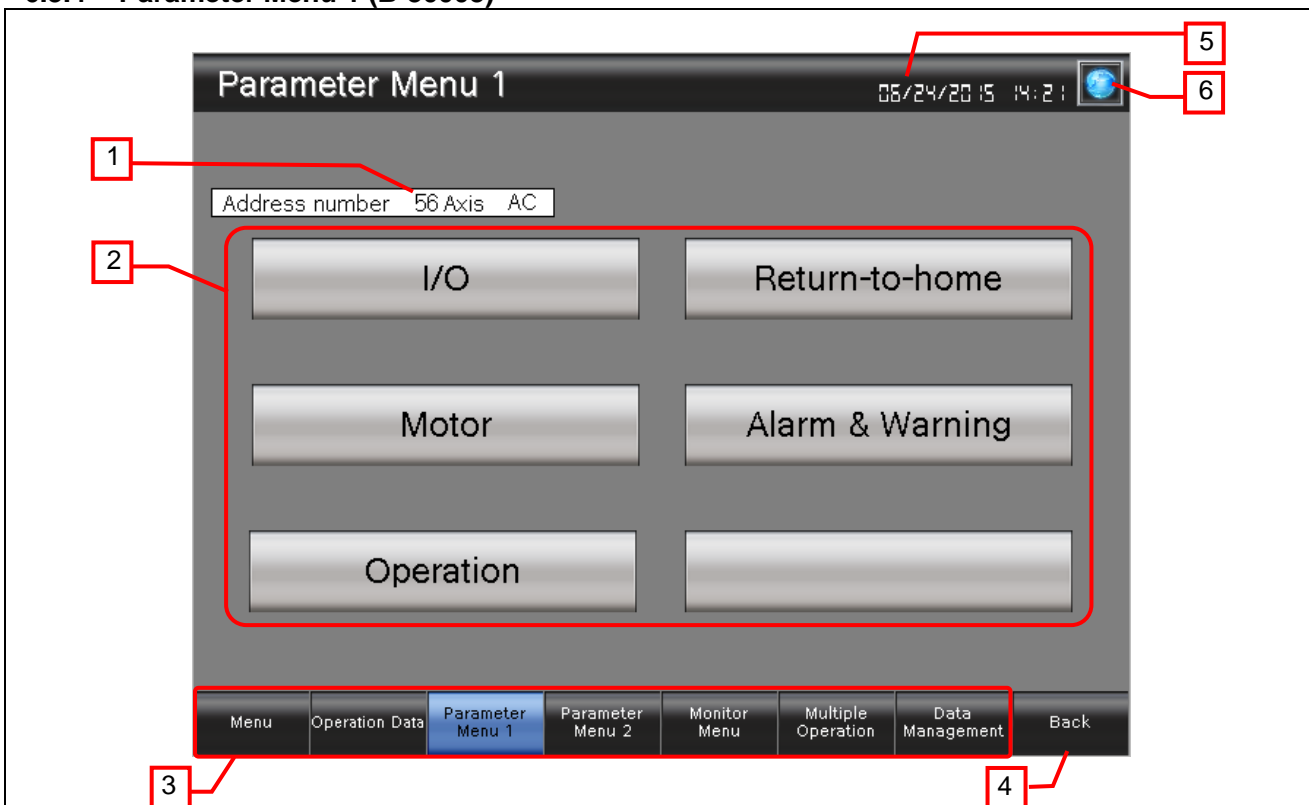
- Displays the address number of the driver to be monitored. Touch the button to open the [Axis Switching] window.
- Displays the operation data. Touch the operation data to open the [Operation data input] window and set related operation data in the window.
- Displays the command position and command speed of the motor.
- Check the "Start teaching" to start teaching operation.
 - Minimum travel amount : Sets the minimum travel amount of motor.
 - Operation data No. : Selects the operation data No.
 - : Moves forward/reverse while the button is touched. These buttons accelerate or decelerate the operating speed of the operation data No. which is selected among data No. 0 to data No. 7. These buttons are disabled while the operation data No. except 0 to 7 is selected.
 - : Adjusts the position of the motor. The travel amount of the motor equals to the minimum travel amount.
 - Stop : Stops the operating motor.
 - Alarm : Displays the present alarm.
 - Alarm reset : Resets the present alarm.
 - Positioning operation : Executes the positioning operation according to the operation data No.
 - Return-to-home operation : Starts the return-to-home operation
 - Set position : Reflects the position of the motor to the position of the operation data No. The operation mode will always be the absolute mode.
 - Position preset : Sets the preset value to the command position. The preset value can be changed in "Preset position" of the [Parameter Coordinate] screen.
- Scrolls the operation data.
 - : Scrolls up one row of data.
 - : Scrolls down one row of data.
- Updates the operation data to the latest data.
- Switches to each screen. The blue switch indicates the currently displayed screen, thus selecting this

- switch will not switch the screen.
8. Switches to the previously opened screen.
 9. Displays the current date and time. Touch the button to open the [Clock Setting] window.
 10. Opens the [Language Setting] window.

Remarks

- The project script is used to control the execution trigger for reading the monitored data. In addition, the screen script is used to execute the automatic data reading at the time of the screen switching and to control the dialog window which is displayed during the read/write operation. For the details on the script, refer to "6.6 Script List".
- During teaching operation, acceleration and deceleration can be changed according to the operation data No. as long as acceleration/deceleration type is separate.
- It is not possible to switch screen or change address number when executing teaching operation.
- The set value of operation data No. 63 has been changed by using the ladder program to make the +/- buttons to adjust the position of the motor. Thus, operation data No. 63 cannot be used on this sample screen.
- If a system alarm occurs, the alarm message will appear at the bottom of the screen. When touching the left end of the message, the display position of the message changes in the order of upper, center, and lower. When touching the other part of the message, the [Alarm Reset] window appears.

6.3.4 Parameter Menu 1 (B-30003)



Outline

This is the Parameter menu 1.

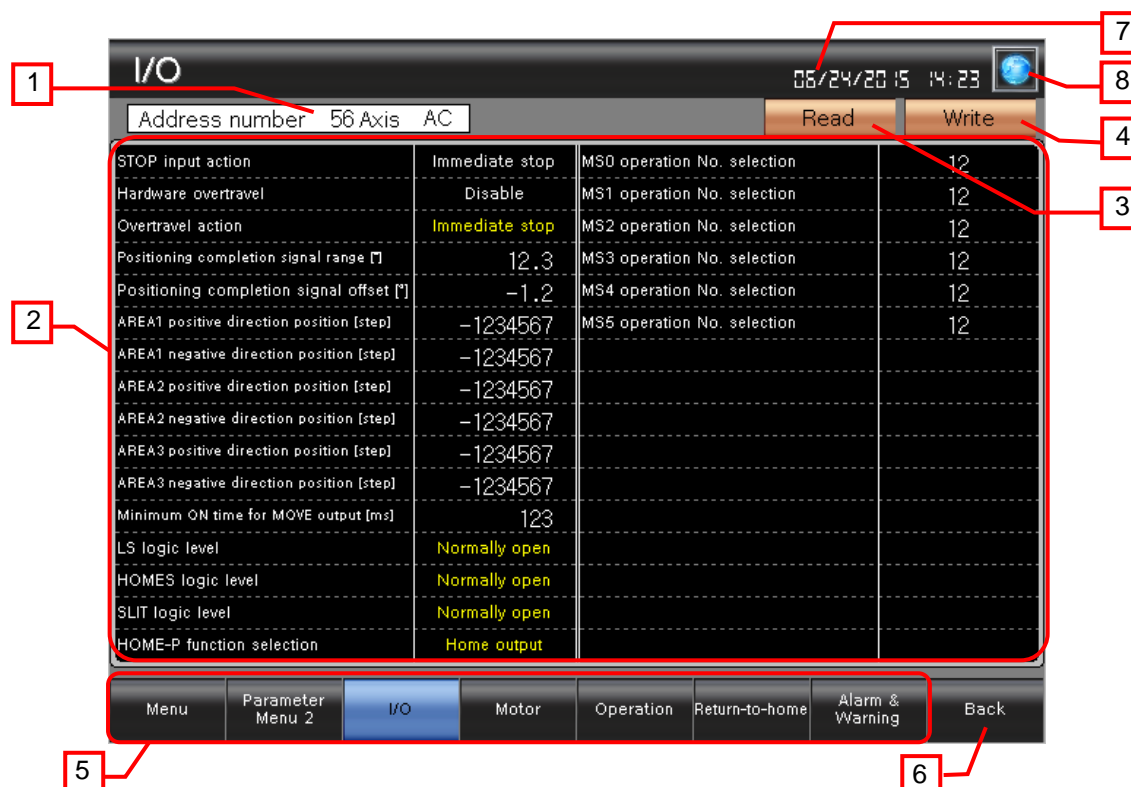
Description

1. Displays the address number of the driver to be monitored. Touch the button to open the [Axis Switching] window.
2. Switches to each screen.
3. Switches to each screen. The blue switch indicates the currently displayed screen, thus selecting this switch will not switch the screen.
4. Switches to the previously opened screen.
5. Displays the current date and time. Touch the button to open the [Clock Setting] window.
6. Opens the [Language Setting] window.

Remarks

- If a system alarm occurs, the alarm message will appear at the bottom of the screen. When touching the left end of the message, the display position of the message changes in the order of upper, center, and lower. When touching the other part of the message, the [Alarm Reset] window appears.

6.3.5 Parameter I/O (B-31004)



Outline

This screen displays and edits the parameters of I/O.

Description

1. Displays the address number of the driver to be monitored. Touch the button to open the [Axis Switching] window.
2. Displays and edits the I/O function related parameters. Yellow numerical value and text indicates a initial value.
3. Reads all the parameters for I/O.
4. Writes all the parameters for I/O.
5. Switches to each screen. The blue switch indicates the currently displayed screen, thus selecting this switch will not switch the screen.
6. Switches to the previously opened screen.
7. Displays the current date and time. Touch the button to open the [Clock Setting] window.
8. Opens the [Language Setting] window.

Remarks

- The screen script is used to execute the automatic data reading at the time of the screen switching and to control the dialog window which is displayed during the read/write operation. For the details on the script, refer to "6.6 Script List".
- The setting range of the parameters may vary based on the power supply type. For more details, please refer to the USER MANUAL of the driver.
- If you changed the parameters of LS logic level, HOMES logic level or SLIT logic level, please execute the configuration command.
The function of the changed signal is not reflected until the configuration command is executed.
The configuration command can be executed in the [Data management] screen.
- If a system alarm occurs, the alarm message will appear at the bottom of the screen. When touching the left end of the message, the display position of the message changes in the order of upper, center, and lower. When touching the other part of the message, the [Alarm Reset] window appears.

6.3.6 Parameter Motor (B-31005)



Outline

This screen displays and edits the parameters of a motor.

Description

1. Displays the address number of the driver to be monitored. Touch the button to open the [Axis Switching] window.
2. Displays and edits the motor related parameters. Yellow numerical value and text indicates a initial value.
3. Reads all the parameters for motor.
4. Writes all the parameters for motor.
5. Switches to each screen. The blue switch indicates the currently displayed screen, thus selecting this switch will not switch the screen.
6. Switches to the previously opened screen.
7. Displays the current date and time. Touch the button to open the [Clock Setting] window.
8. Opens the [Language Setting] window.

Remarks

- The screen script is used to execute the automatic data reading at the time of the screen switching and to control the dialog window which is displayed during the read/write operation. For the details on the script, refer to "6.6 Script List".
- The setting range of the parameters may vary based on the power supply type. For more details, please refer to the USER MANUAL of the driver.
- If you changed the parameters of filter selection, control mode or smooth driver, please execute the configuration command.
The function of the changed signal is not reflected until the configuration command is executed.
The configuration command can be executed in the [Data management] screen.
- If a system alarm occurs, the alarm message will appear at the bottom of the screen. When touching the left end of the message, the display position of the message changes in the order of upper, center, and lower. When touching the other part of the message, the [Alarm Reset] window appears.

Operation

Address number 56 Axis AC

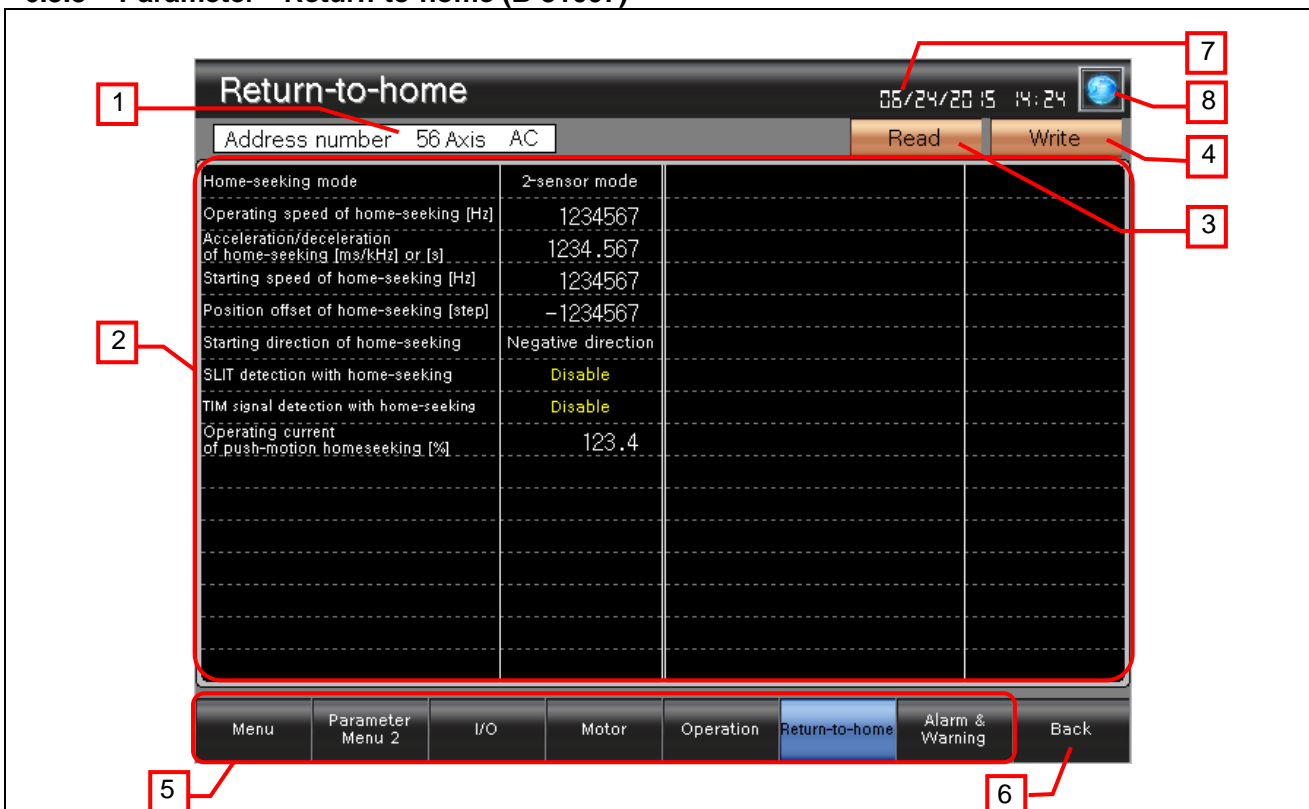
Read Write

Common acceleration [ms/kHz] or [s]	1234.567	
Common deceleration [ms/kHz] or [s]	1234.567	
Starting speed [Hz]	1234567	
JOG operating speed [Hz]	1234567	
Acceleration/deceleration rate of JOG [ms/kHz] or [s]	1234.567	
JOG starting speed [Hz]	1234567	
Acceleration/deceleration type	Common	
Acceleration/ deceleration unit	ms/kHz	
Automatic return operation	Disable	
Operating speed of automatic return [Hz]	1234567	
Acceleration/deceleration of automatic return [ms/kHz] or [s]	1234.567	
Starting speed of automatic return [Hz]	1234567	
JOG travel amount [step]	1234567	

Menu Parameter Menu 2 I/O Motor **Operation** Return-to-home Alarm & Warning Back

05/24/2015 14:24

6.3.8 Parameter Return-to-home (B-31007)



Outline

This screen displays and edits the parameters of Return-to-home.

Description

1. Displays the address number of the driver to be monitored. Touch the button to open the [Axis Switching] window.
2. Displays and edits the return-to-home related parameters. Yellow numerical value and text indicates a initial value.
3. Reads all the parameters for Return-to-home.
4. Writes all the parameters for Return-to-home.
5. Switches to each screen. The blue switch indicates the currently displayed screen, thus selecting this switch will not switch the screen.
6. Switches to the previously opened screen.
7. Displays the current date and time. Touch the button to open the [Clock Setting] window.
8. Opens the [Language Setting] window.

Remarks

- The screen script is used to execute the automatic data reading at the time of the screen switching and to control the dialog window which is displayed during the read/write operation. For the details on the script, refer to "6.6 Script List".
- The setting range of the parameters may vary based on the power supply type. For more details, please refer to the USER MANUAL of the driver.
- If a system alarm occurs, the alarm message will appear at the bottom of the screen. When touching the left end of the message, the display position of the message changes in the order of upper, center, and lower. When touching the other part of the message, the [Alarm Reset] window appears.

6.3.9 Parameter Alarm & Warning (B-31008)



Outline

This screen displays and edits the parameters of alarm & warning.

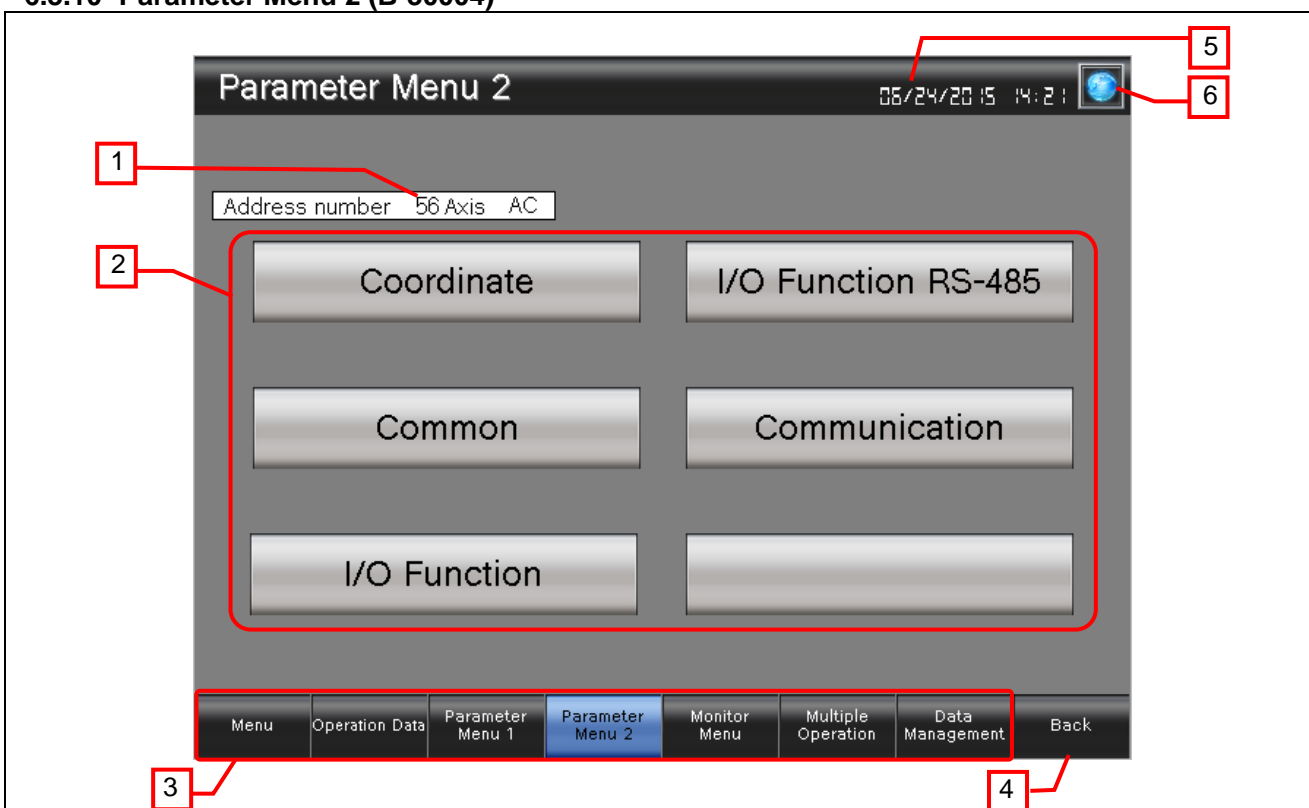
Description

1. Displays the address number of the driver to be monitored. Touch the button to open the [Axis Switching] window.
2. Displays and edits the alarm and the warning related parameters. Yellow numerical value and text indicates a initial value.
3. Reads all the parameters for alarm and warning.
4. Writes all the parameters for alarm and warning.
5. Switches to each screen. The blue switch indicates the currently displayed screen, thus selecting this switch will not switch the screen.
6. Switches to the previously opened screen.
7. Displays the current date and time. Touch the button to open the [Clock Setting] window.
8. Opens the [Language Setting] window.

Remarks

- The screen script is used to execute the automatic data reading at the time of the screen switching and to control the dialog window which is displayed during the read/write operation. For the details on the script, refer to "6.6 Script List".
- The setting range of the parameters may vary based on the power supply type. For more details, please refer to the USER MANUAL of the driver.
- If you changed the parameters of Return-to-home incomplete alarm, please execute the configuration command.
The function of the changed signal is not reflected until the configuration command is executed.
The configuration command can be executed in the [Data management] screen.
- If a system alarm occurs, the alarm message will appear at the bottom of the screen. When touching the left end of the message, the display position of the message changes in the order of upper, center, and lower. When touching the other part of the message, the [Alarm Reset] window appears.

6.3.10 Parameter Menu 2 (B-30004)



Outline

This is the parameter menu 2.

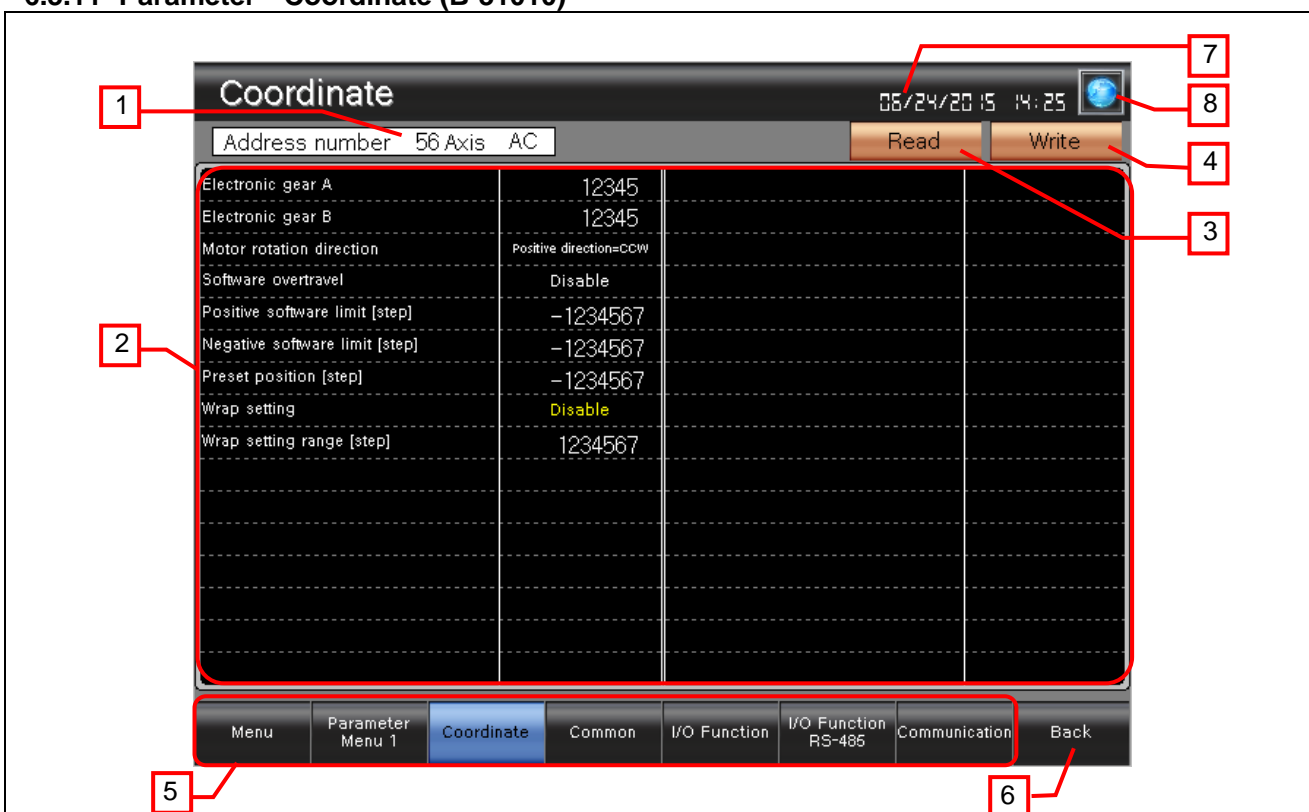
Description

1. Displays the address number of the driver to be monitored. Touch the button to open the [Axis Switching] window.
2. Switches to each screen.
3. Switches to each screen. The blue switch indicates the currently displayed screen, thus selecting this switch will not switch the screen.
4. Switches to the previously opened screen.
5. Displays the current date and time. Touch the button to open the [Clock Setting] window.
6. Opens the [Language Setting] window.

Remarks

- If a system alarm occurs, the alarm message will appear at the bottom of the screen. When touching the left end of the message, the display position of the message changes in the order of upper, center, and lower. When touching the other part of the message, the [Alarm Reset] window appears.

6.3.11 Parameter Coordinate (B-31010)



Outline

This screen displays and edits the parameters of the coordinate.

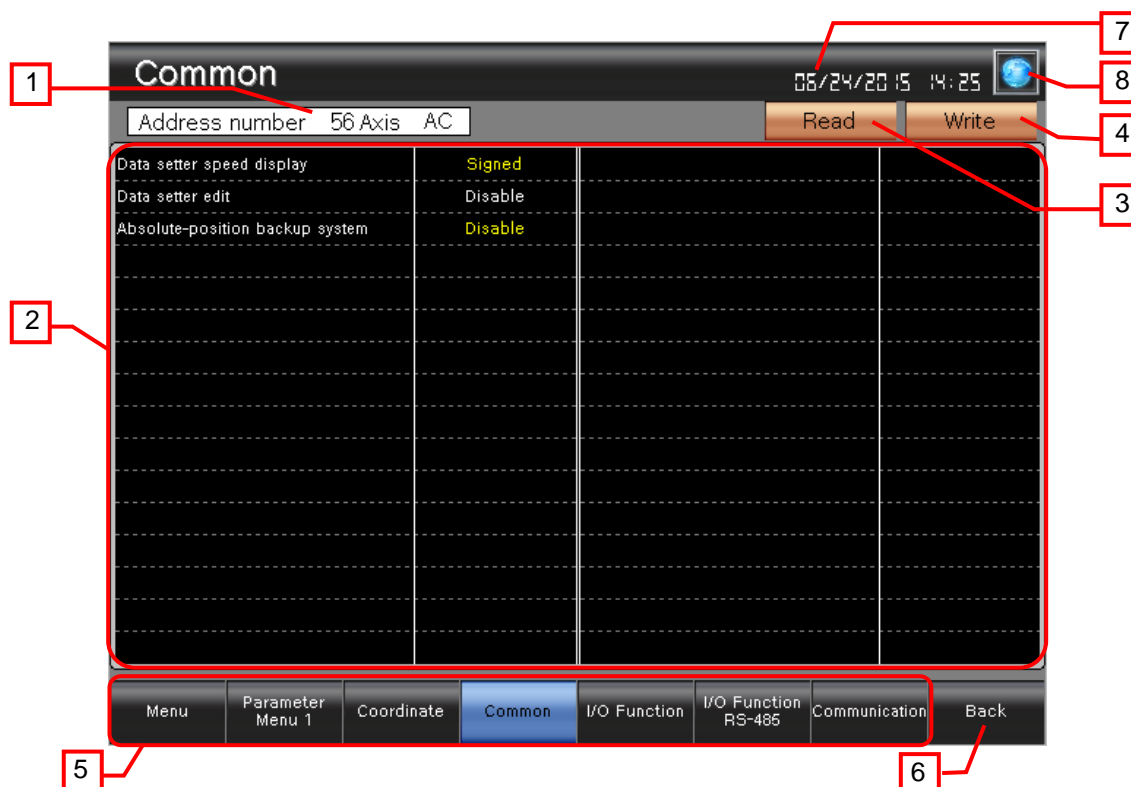
Description

1. Displays the address number of the driver to be monitored. Touch the button to open the [Axis Switching] window.
2. Displays and edits the coordinate related parameters. Yellow numerical value and text indicates a initial value.
3. Reads all the parameters for coordinate.
4. Writes all the parameters for coordinate.
5. Switches to each screen. The blue switch indicates the currently displayed screen, thus selecting this switch will not switch the screen.
6. Switches to the previously opened screen.
7. Displays the current date and time. Touch the button to open the [Clock Setting] window.
8. Opens the [Language Setting] window.

Remarks

- The screen script is used to execute the automatic data reading at the time of the screen switching and to control the dialog window which is displayed during the read/write operation. For the details on the script, refer to "6.6 Script List".
- The setting range of the parameters may vary based on the power supply type. For more details, please refer to the USER MANUAL of the driver.
- If you changed the parameters of electronic gear A, electronic gear B, wrap setting, or wrap setting range, please execute the configuration command.
The function of the changed signal is not reflected until the configuration command is executed.
The configuration command can be executed in the [Data management] screen.
- If a system alarm occurs, the alarm message will appear at the bottom of the screen. When touching the left end of the message, the display position of the message changes in the order of upper, center, and lower. When touching the other part of the message, the [Alarm Reset] window appears.

6.3.12 Parameter Common (B-31011)



Outline

This screen displays and edits the parameters of common.

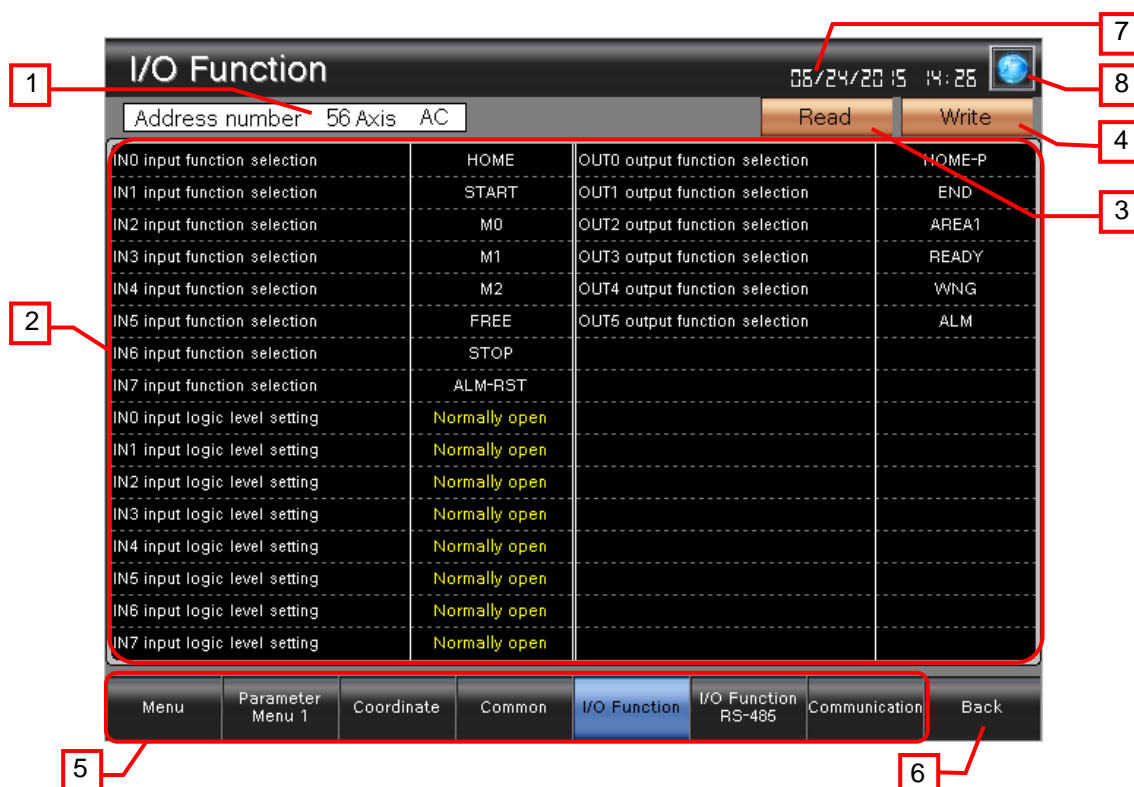
Description

1. Displays the address number of the driver to be monitored. Touch the button to open the [Axis Switching] window.
2. Displays and edits the common related parameters. Yellow numerical value and text indicates a initial value.
3. Reads all the parameters for common.
4. Writes all the parameters for common.
5. Switches to each screen. The blue switch indicates the currently displayed screen, thus selecting this switch will not switch the screen.
6. Switches to the previously opened screen.
7. Displays the current date and time. Touch the button to open the [Clock Setting] window.
8. Opens the [Language Setting] window.

Remarks

- The screen script is used to execute the automatic data reading at the time of the screen switching and to control the dialog window which is displayed during the read/write operation. For the details on the script, refer to "6.6 Script List".
- The setting range of the parameters may vary based on the power supply type. For more details, please refer to the USER MANUAL of the driver.
- If you changed the parameters of absolute backup system, please execute the configuration command. The function of the changed signal is not reflected until the configuration command is executed. The configuration command can be executed in the [Data management] screen.
- If a system alarm occurs, the alarm message will appear at the bottom of the screen. When touching the left end of the message, the display position of the message changes in the order of upper, center, and lower. When touching the other part of the message, the [Alarm Reset] window appears.

6.3.13 Parameter I/O Function (B-31012)



Outline

This screen displays and edits the parameters of I/O function.

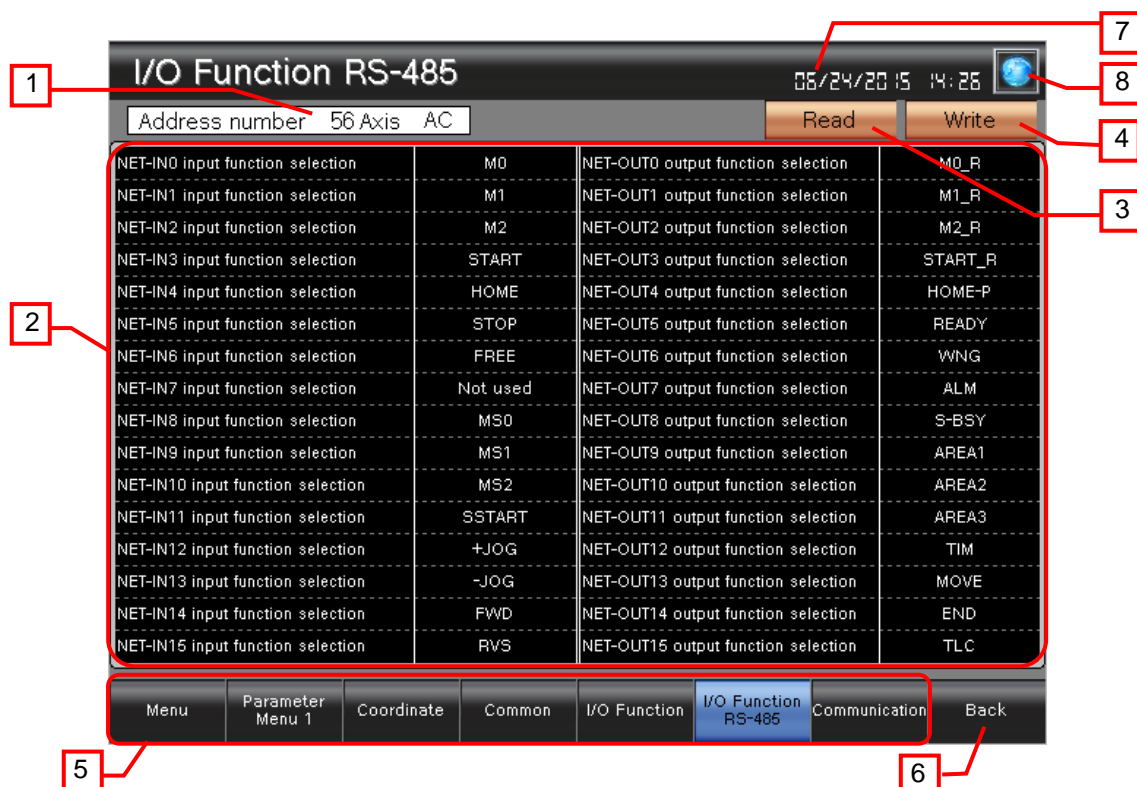
Description

1. Displays the address number of the driver to be monitored. Touch the button to open the [Axis Switching] window.
2. Displays and edits the I/O function related parameters. Yellow numerical value and text indicates a initial value.
3. Reads all the parameters for I/O function.
4. Writes all the parameters for I/O function.
5. Switches to each screen. The blue switch indicates the currently displayed screen, thus selecting this switch will not switch the screen.
6. Switches to the previously opened screen.
7. Displays the current date and time. Touch the button to open the [Clock Setting] window.
8. Opens the [Language Setting] window.

Remarks

- The screen script is used to execute the automatic data reading at the time of the screen switching and to control the dialog window which is displayed during the read/write operation. For the details on the script, refer to "6.6 Script List".
- The setting range of the parameters may vary based on the power supply type. For more details, please refer to the USER MANUAL of the driver.
- If you changed the parameters of I/O function, please execute the configuration command. The function of the changed signal is not reflected until the configuration command is executed. The configuration command can be executed in the [Data management] screen.
- If a system alarm occurs, the alarm message will appear at the bottom of the screen. When touching the left end of the message, the display position of the message changes in the order of upper, center, and lower. When touching the other part of the message, the [Alarm Reset] window appears.

6.3.14 Parameter I/O Function RS-485 (B-31013)



Outline

This screen displays and edits the parameters of I/O function RS-485.

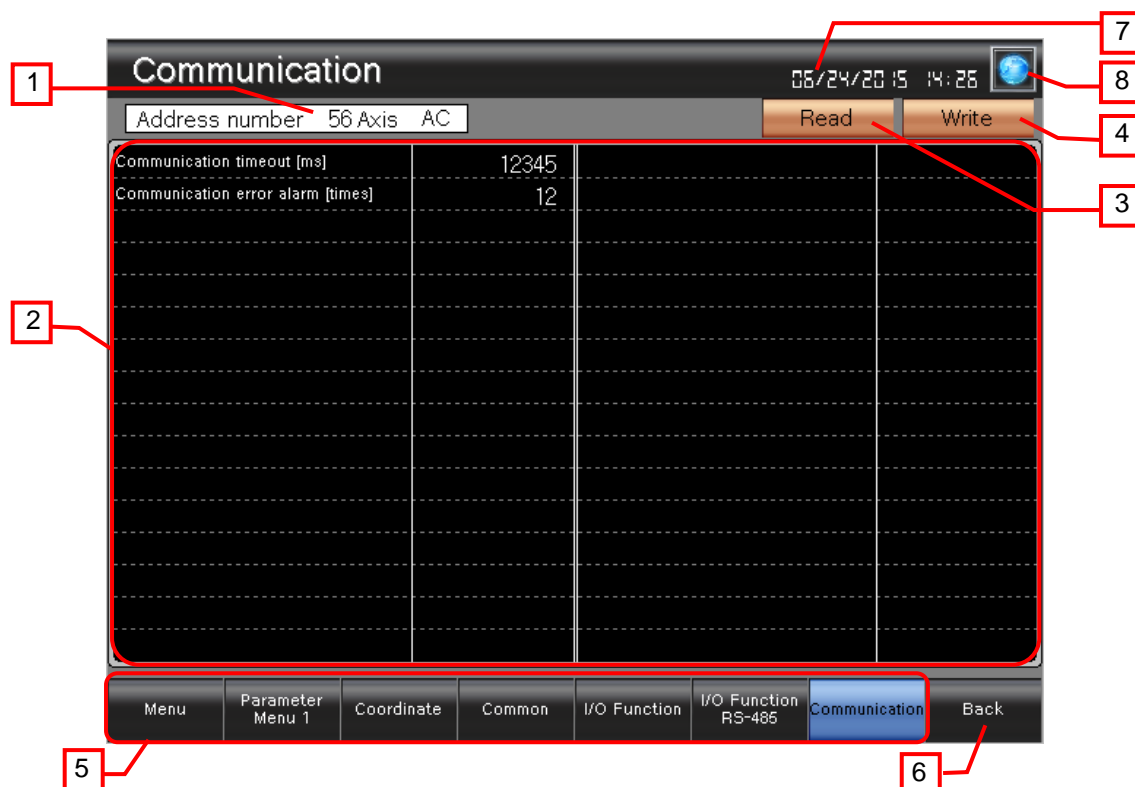
Description

1. Displays the address number of the driver to be monitored. Touch the button to open the [Axis Switching] window.
2. Displays and edits the I/O function RS-485 related parameters. Yellow numerical value and text indicates a initial value.
3. Reads all the parameters for I/O function RS-485.
4. Writes all the parameters for I/O function RS-485.
5. Switches to each screen. The blue switch indicates the currently displayed screen, thus selecting this switch will not switch the screen.
6. Switches to the previously opened screen.
7. Displays the current date and time. Touch the button to open the [Clock Setting] window.
8. Opens the [Language Setting] window.

Remarks

- The screen script is used to execute the automatic data reading at the time of the screen switching and to control the dialog window which is displayed during the read/write operation. For the details on the script, refer to "6.6 Script List".
- The setting range of the parameters may vary based on the power supply type. For more details, please refer to the USER MANUAL of the driver.
- If you changed the parameters of I/O function RS-485, please execute the configuration command. The function of the changed signal is not reflected until the configuration command is executed. The configuration command can be executed in the [Data management] screen.
- If a system alarm occurs, the alarm message will appear at the bottom of the screen. When touching the left end of the message, the display position of the message changes in the order of upper, center, and lower. When touching the other part of the message, the [Alarm Reset] window appears.

6.3.15 Parameter Communication (B-31014)



Outline

This screen displays and edits the parameters of communication.

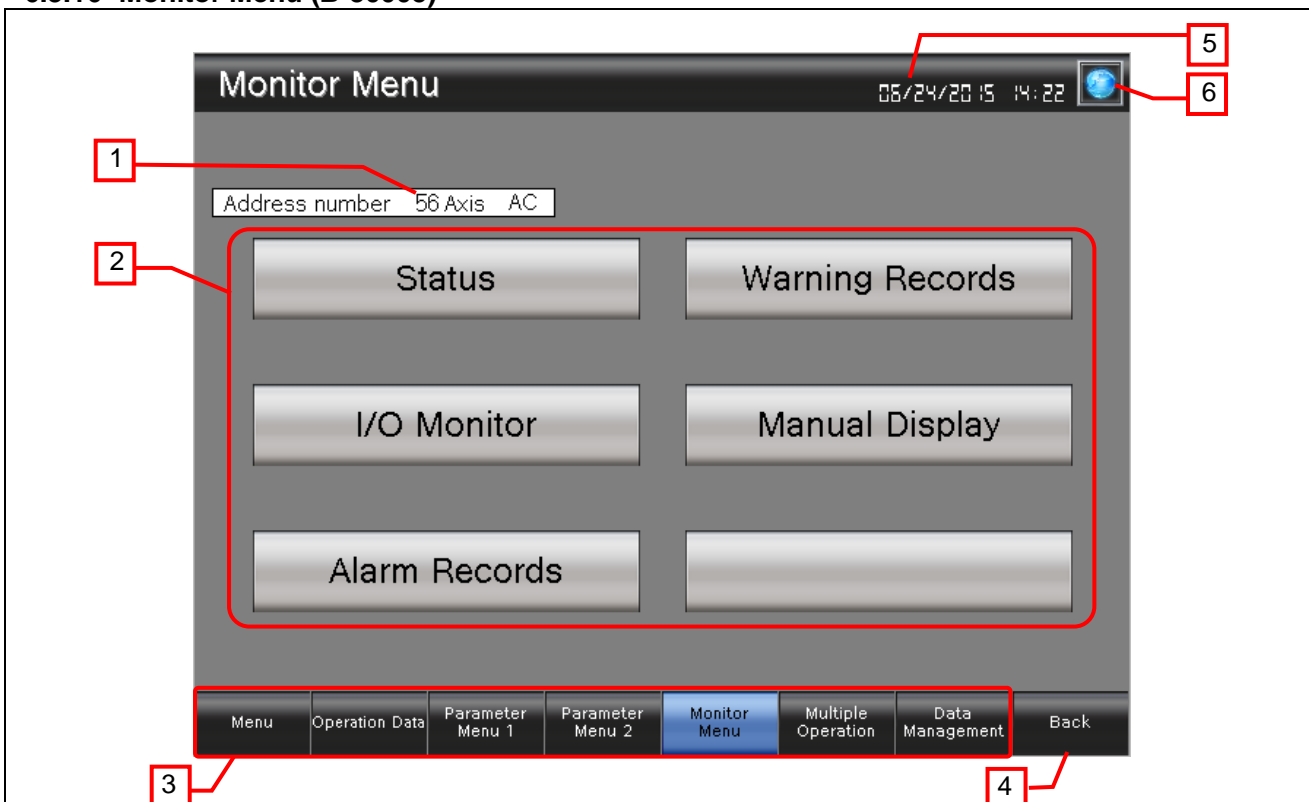
Description

1. Displays the address number of the driver to be monitored. Touch the button to open the [Axis Switching] window.
2. Displays and edits the communication related parameters. Yellow numerical value and text indicates a initial value.
3. Reads all the parameters for communication.
4. Writes all the parameters for communication.
5. Switches to each screen. The blue switch indicates the currently displayed screen, thus selecting this switch will not switch the screen.
6. Switches to the previously opened screen.
7. Displays the current date and time. Touch the button to open the [Clock Setting] window.
8. Opens the [Language Setting] window.

Remarks

- The screen script is used to execute the automatic data reading at the time of the screen switching and to control the dialog window which is displayed during the read/write operation. For the details on the script, refer to "6.6 Script List".
- The setting range of the parameters may vary based on the power supply type. For more details, please refer to the USER MANUAL of the driver.
- If a system alarm occurs, the alarm message will appear at the bottom of the screen. When touching the left end of the message, the display position of the message changes in the order of upper, center, and lower. When touching the other part of the message, the [Alarm Reset] window appears.

6.3.16 Monitor Menu (B-30005)



Outline

This is the monitor menu.

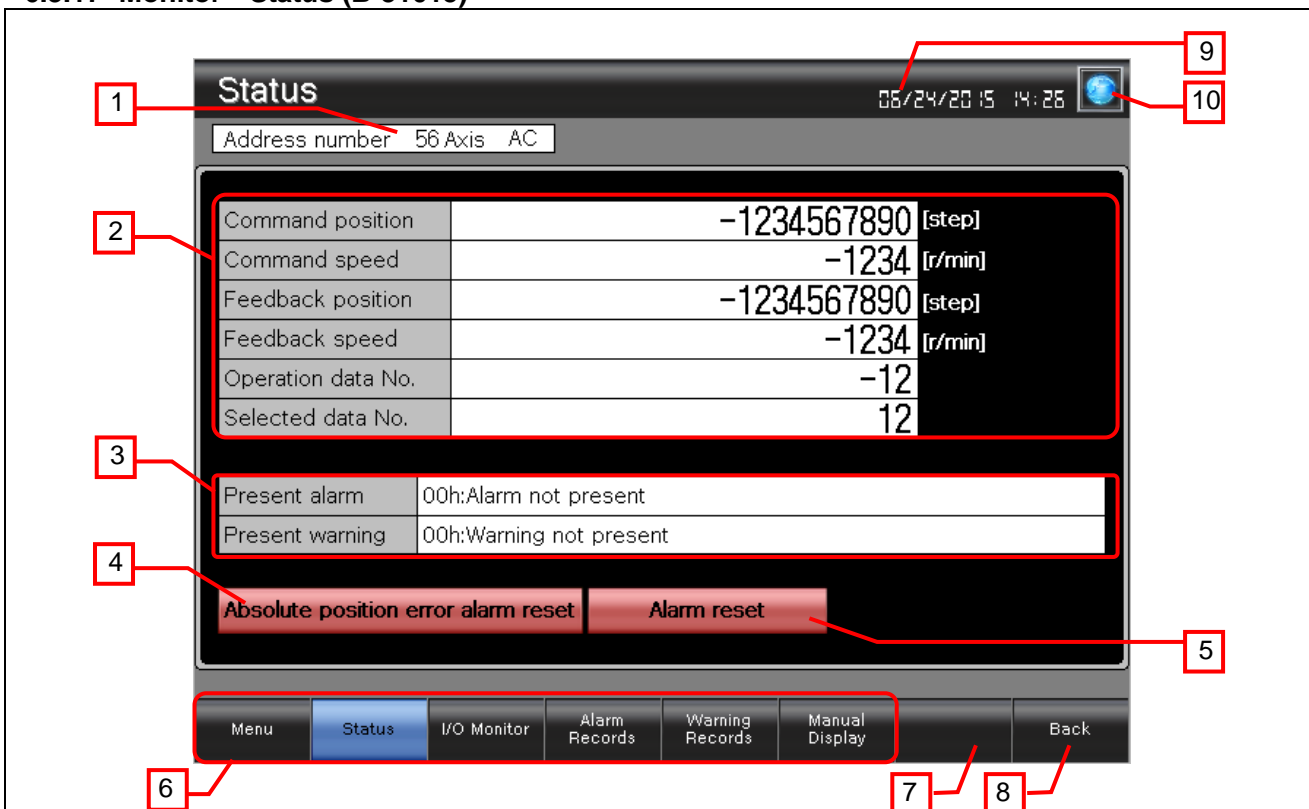
Description

1. Displays the address number of the driver to be monitored. Touch the button to open the [Axis Switching] window.
2. Switches to each screen.
3. Switches to each screen. The blue switch indicates the currently displayed screen, thus selecting this switch will not switch the screen.
4. Switches to the previously opened screen.
5. Displays the current date and time. Touch the button to open the [Clock Setting] window.
6. Opens the [Language Setting] window.

Remarks

- If a system alarm occurs, the alarm message will appear at the bottom of the screen. When touching the left end of the message, the display position of the message changes in the order of upper, center, and lower. When touching the other part of the message, the [Alarm Reset] window appears.

6.3.17 Monitor Status (B-31015)



Outline

This screen monitors the status of the motor.

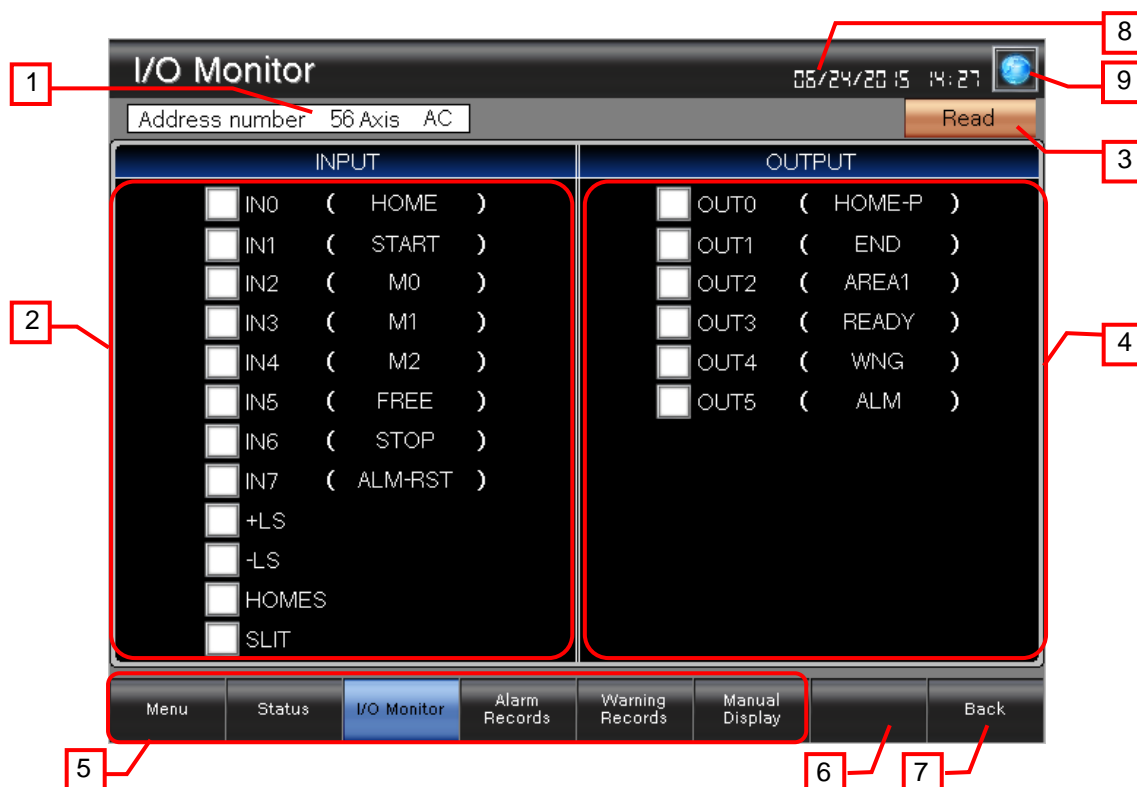
Description

1. Displays the address number of the driver to be monitored. Touch the button to open the [Axis Switching] window.
2. Displays the status of each item.
3. Displays the present alarm and warning.
4. Resets the absolute position error alarm. After reset, execute return-to-home operation and so on to set home position again.
5. Resets the present alarm.
6. Switches to each screen. The blue switch indicates the currently displayed screen, thus selecting this switch will not switch the screen.
7. Indicates an unused switch for base screen switching
8. Switches to the previously opened screen.
9. Displays the current date and time. Touch the button to open the [Clock Setting] window.
10. Opens the [Language Setting] window.

Remarks

- The project script is used to control the execution trigger for reading the monitored data. For the details on the script, refer to "6.6 Script List".
- If a system alarm occurs, the alarm message will appear at the bottom of the screen. When touching the left end of the message, the display position of the message changes in the order of upper, center, and lower. When touching the other part of the message, the [Alarm Reset] window appears.

6.3.18 Monitor I/O Monitor (B-31016)



Outline

This screen monitors I/O.

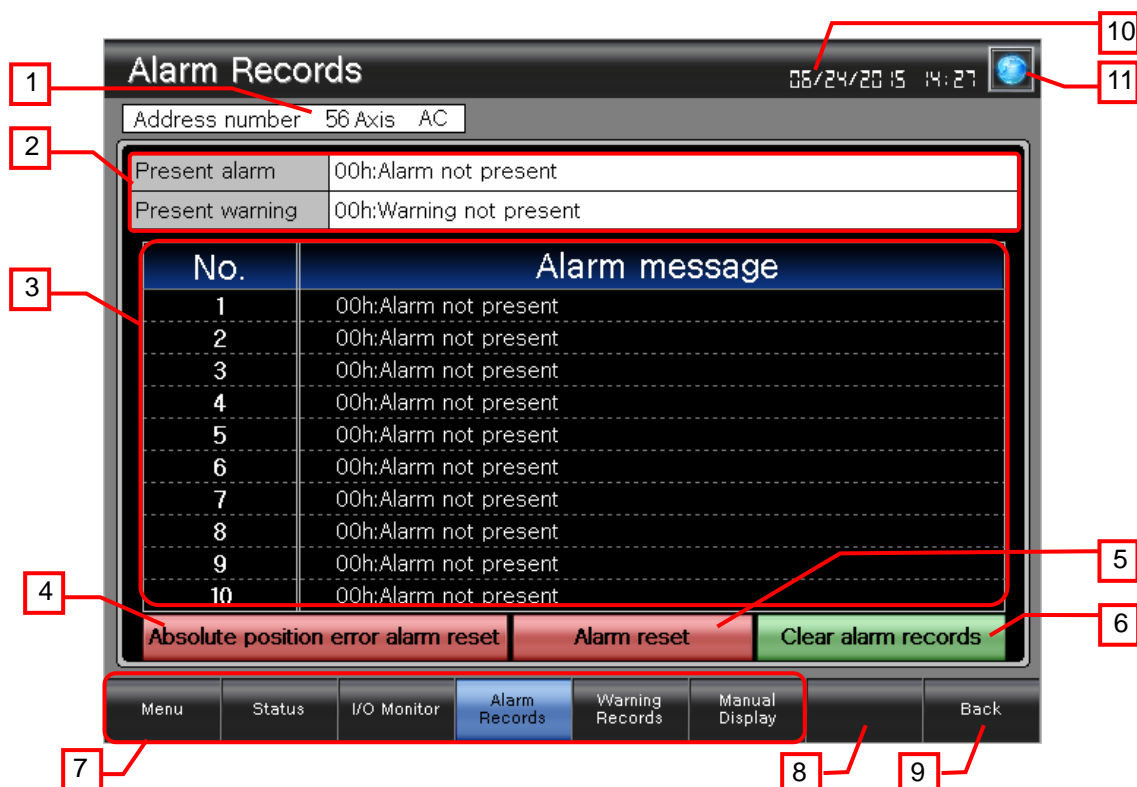
Description

1. Displays the address number of the driver to be monitored. Touch the button to open the [Axis Switching] window.
2. Displays the status of INPUT.
3. Reads the function which is assigned to I/O.
4. Displays the status of OUTPUT.
5. Switches to each screen. The blue switch indicates the currently displayed screen, thus selecting this switch will not switch the screen.
6. Indicates an unused switch for base screen switching
7. Switches to the previously opened screen.
8. Displays the current date and time. Touch the button to open the [Clock Setting] window.
9. Opens the [Language Setting] window.

Remarks

- The project script is used to control the execution trigger for reading the monitored data. In addition, the screen script is used to execute the automatic data reading at the time of the screen switching and to control the dialog window which is displayed during the read/write operation. For the details on the script, refer to "6.6 Script List".
- If a system alarm occurs, the alarm message will appear at the bottom of the screen. When touching the left end of the message, the display position of the message changes in the order of upper, center, and lower. When touching the other part of the message, the [Alarm Reset] window appears.

6.3.19 Monitor Alarm Records (B-31018)



Outline

This screen displays the alarm records.

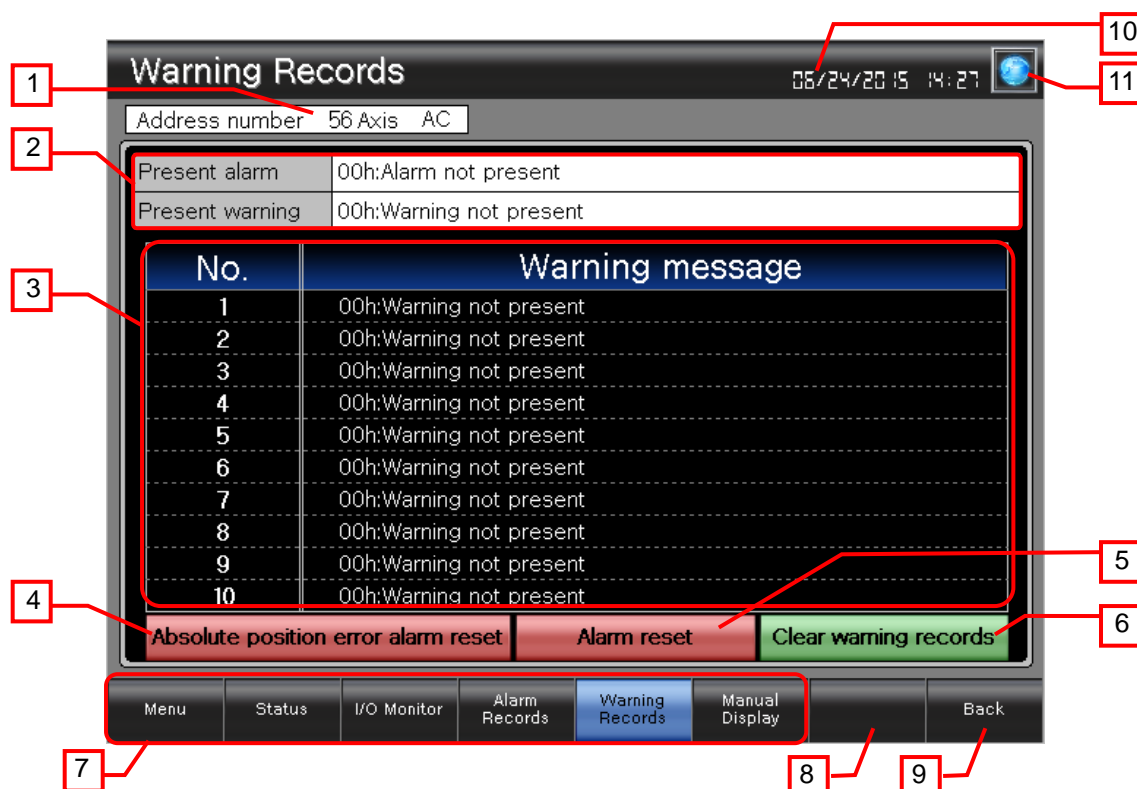
Description

1. Displays the address number of the driver to be monitored. Touch the button to open the [Axis Switching] window.
2. Displays the present alarm and warning.
3. Displays the alarm records.
4. Resets the absolute position error alarm. After reset, execute return-to-home operation and so on to set home position again.
5. Resets the present alarm.
6. Clears the alarm records.
7. Switches to each screen. The blue switch indicates the currently displayed screen, thus selecting this switch will not switch the screen.
8. Indicates an unused switch for base screen switching
9. Switches to the previously opened screen.
10. Displays the current date and time. Touch the button to open the [Clock Setting] window.
11. Opens the [Language Setting] window.

Remarks

- The project script is used to control the execution trigger for reading the monitored data. For the details on the script, refer to "6.6 Script List".
- If a system alarm occurs, the alarm message will appear at the bottom of the screen. When touching the left end of the message, the display position of the message changes in the order of upper, center, and lower. When touching the other part of the message, the [Alarm Reset] window appears.

6.3.20 Monitor Warning Records (B-31019)



Outline

This screen displays the warning records.

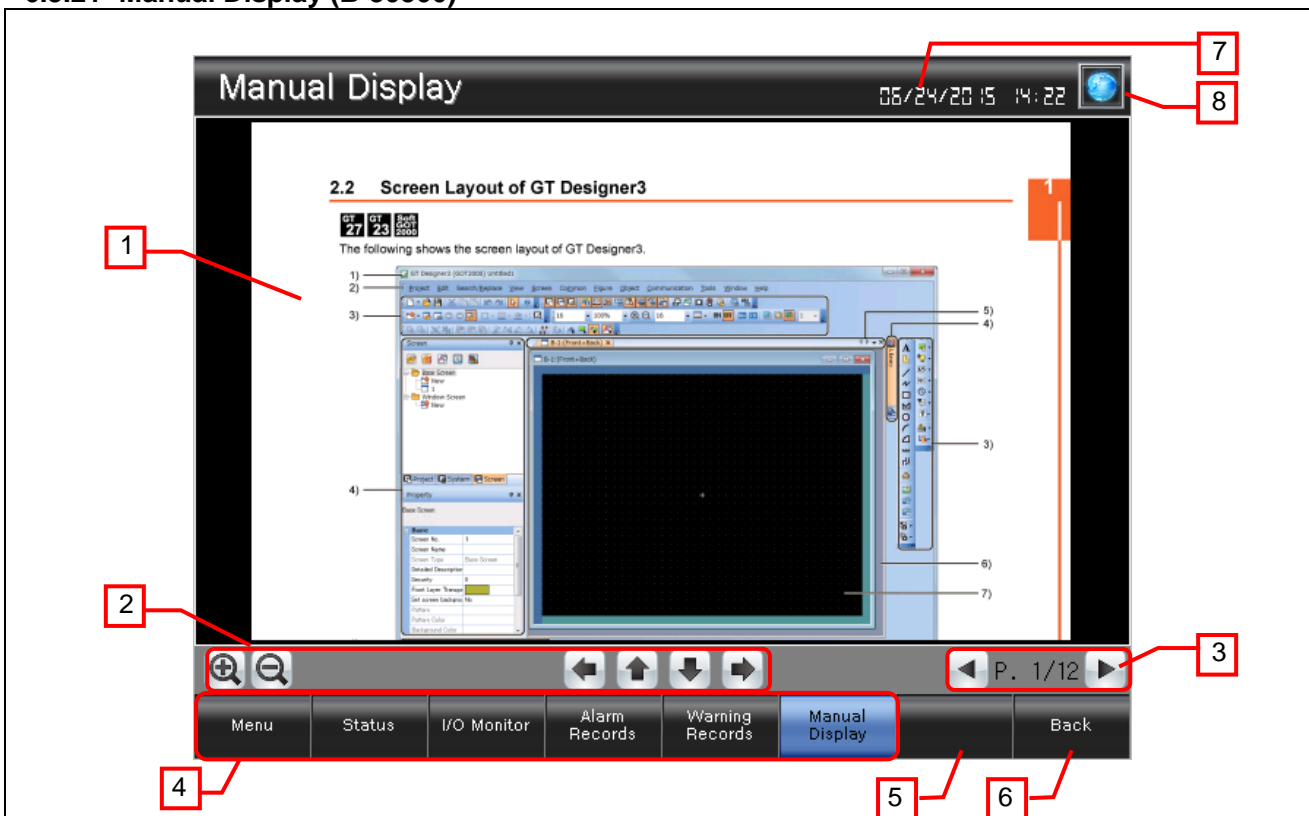
Description

1. Displays the address number of the driver to be monitored. Touch the button to open the [Axis Switching] window.
2. Displays the present alarm and warning.
3. Displays the warning records.
4. Resets the absolute position error alarm. After reset, execute return-to-home operation and so on to set home position again.
5. Resets the present alarm.
6. Clears the warning records.
7. Switches to each screen. The blue switch indicates the currently displayed screen, thus selecting this switch will not switch the screen.
8. Indicates an unused switch for base screen switching.
9. Switches to the previously opened screen.
10. Displays the current date and time. Touch the button to open the [Clock Setting] window.
11. Opens the [Language Setting] window.

Remarks

- The project script is used to control the execution trigger for reading the monitored data. For the details on the script, refer to "6.6 Script List".
- If a system alarm occurs, the alarm message will appear at the bottom of the screen. When touching the left end of the message, the display position of the message changes in the order of upper, center, and lower. When touching the other part of the message, the [Alarm Reset] window appears.










6.3.21 Manual Display (B-30500)



Outline

This screen displays the manual of the currently displayed language.

Description

1. Manual Display displays a document with document ID (201 to 203) according to the language. The page 1 is displayed when the screen is displayed initially. While touching the document, flicking to 8 directions will scroll the document to 8 directions. While displaying the edge of the document, flicking the document will switch pages. Pinching out and in will zoom in and out the document in 3 steps (large, middle, and small).
2. Operates the displayed document.
 : Enlarges or reduces the displayed document.
 : Enlarges or reduces the displayed document.
 : Scrolls the displayed document to the left or right.
 : Scrolls the displayed document to the left or right.
 : Scrolls the displayed document up and down.
 : Scrolls the displayed document up and down.
3. Operates the displayed document page.
 : Displays the page number of the displayed document. Touch the value to change the page number.
 : Switches to the previous or next page of the displayed document.
 : Switches to the previous or next page of the displayed document.
4. Switches to each screen. The blue switch indicates the currently displayed screen, thus selecting this switch will not switch the screen.
5. Indicates an unused switch for base screen switching.
6. Switches to the previously opened screen.
7. Displays the current date and time. Touch the button to open the [Clock Setting] window.
8. Opens the [Language Setting] window.

Remarks

- The language setting reflects documents for Manual display. The relation of the column No. of the comment group No., languages and document (Document ID) is shown below.

Column No. of the comment group No	Language	Document ID
1	English	201
2	Japanese	202
3	Chinese (Simplified)	203

- When GOT is started, the document page is set to No. "1" and the Document ID is set to "201" with the project script. For more details about scripts, please refer to "6.6 Script List".
- The page feed switches are set not to exceed the total number of document pages by object script. For more details about scripts, please refer to "6.6 Script List".
- The document data for the manual display should be prepared by the customers. For more details, please refer to "7. MANUAL DISPLAY".
- If a system alarm occurs, the alarm message will appear at the bottom of the screen. When touching the left end of the message, the display position of the message changes in the order of upper, center, and lower. When touching the other part of the message, the [Alarm Reset] window appears.

6.3.22 Test Multiple Operation (B-31022 to 31025)



Outline

This screen starts test operation for a multi axis motor.

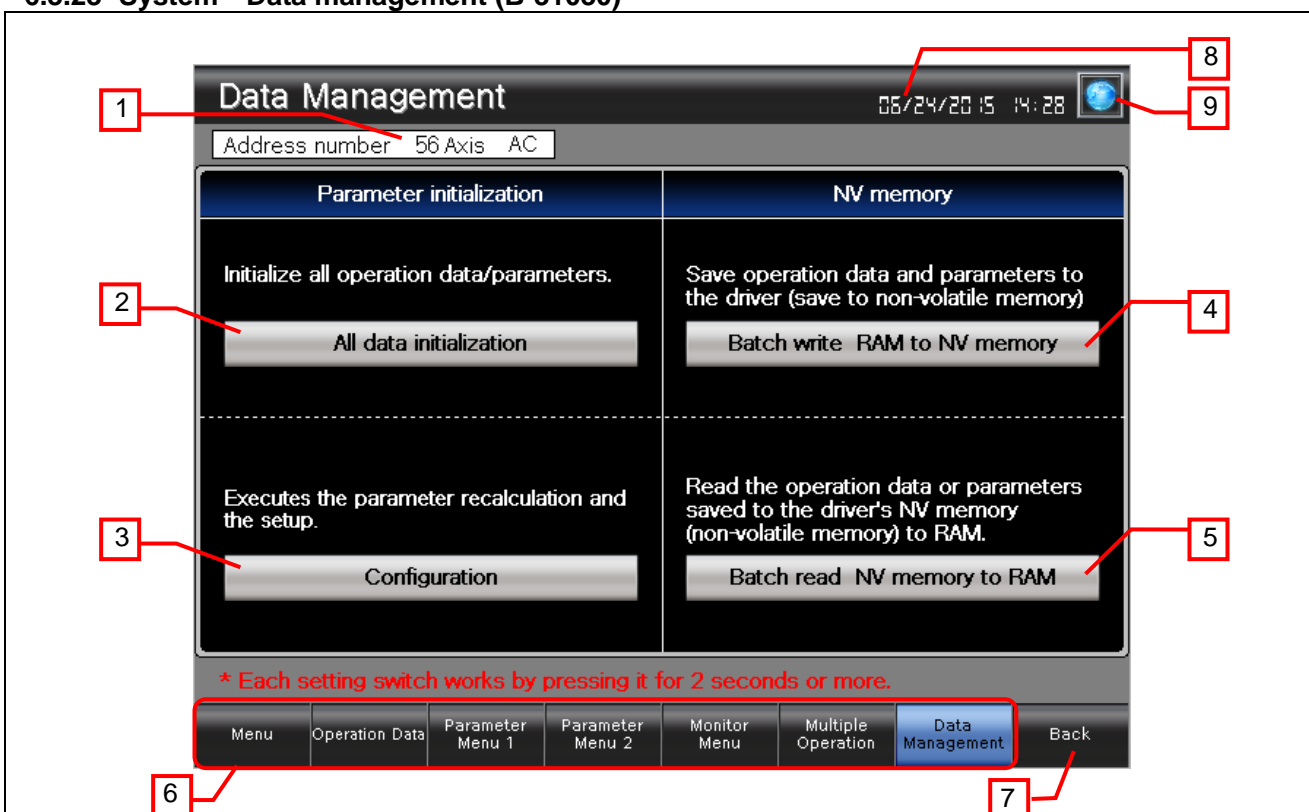
Description

1. Select the Axis in execute test operation of the motor.
2. Touch the switch for each Axis can be test operation.
3. Displays the present alarm.
4. Executes the test operation for each Axis.
 - Data No. : Selects the operation data No.
 - : Moves forward/ reverse continuously while the button is touched continuously. These buttons accelerate or decelerate the operating speed of the operation data No. which is selected among data No. 0 to data No. 7. These buttons are disabled while the operation data No. except 0 to 7 is selected.
 - : Adjusts the position of the motor. The travel amount equals to the JOG travel amount of the operation parameter.
 - Stop : Stops the operating motor.
 - Positioning operation : Executes the positioning operation according to the operation data No.
 - Position preset : Sets the preset value to the command position. The preset value can be changed in "Preset position" of the [Parameter Coordinate] screen.
 - Return-to-home operation : Starts the Return-to-home operation.
 - Alarm reset : Resets the present alarm.
5. Switches to each screen. The blue switch indicates the currently displayed screen, thus selecting this switch will not switch the screen.
6. Switches to the previously opened screen.
7. Displays the current date and time. Touch the button to open the [Clock Setting] window.
8. Opens the [Language Setting] window.

Remarks

- The project script is used to control the execution trigger for reading the monitored data. In addition, the screen script is used to notify the setting flag of the operation target axis to the PLC, to control the dialog window which is displayed during the read/write operation, and to configure the interlock setting. For the details on the script, refer to "6.6 Script List".
- During test operation, acceleration and deceleration can be changed according to the operation data No. as long as acceleration/deceleration type is separate.
- It is not possible to switch screen or change address number when executing test operation.
- The set value of operation data No. 63 has been changed by using the ladder program to make the +/- buttons to adjust the position of the motor. Thus, operation data No. 63 cannot be used on this sample screen.
- If a system alarm occurs, the alarm message will appear at the bottom of the screen. When touching the left end of the message, the display position of the message changes in the order of upper, center, and lower. When touching the other part of the message, the [Alarm Reset] window appears.

6.3.23 System Data management (B-31030)



Outline

This screen initializes the drivers, sets up Configuration and saves/reads the operation data and the parameters.

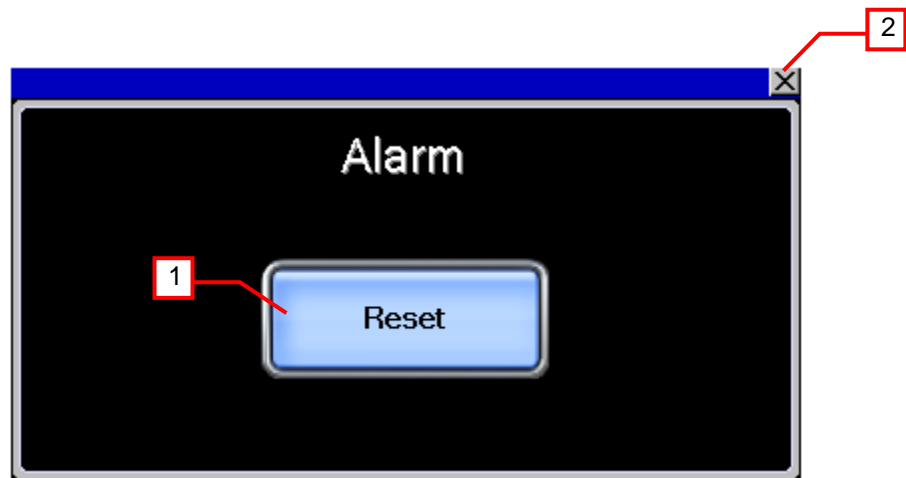
Description

1. Displays the address number for which the data management is performed. Touch the button to open the [Axis Switching] window.
2. Initializes all the operation data and parameters saved in the NV memory of the driver.
3. Executes a software reset. Some parameters are not reflected until a software reset is executed.
4. Saves the operation data and parameters from the RAM to the NV memory.
5. Reads the operation data and parameters from the NV memory to the RAM.
6. Switches to each screen. The blue switch indicates the currently displayed screen, thus selecting this switch will not switch the screen.
7. Switches to the previously opened screen.
8. Displays the current date and time. Touch the button to open the [Clock Setting] window.
9. Opens the [Language Setting] window.

Remarks

- Each switch works by pressing it for 2 seconds or more.
- Each time configuration command starts or completes, momentarily loses the excitation of the motor. Please pay extra attention when using vertical axis and so on. Moreover, the motor excites again after a momentary cutoff, so a position deviation occurs. If position accuracy is required, it is recommended that executing return-to-home operation immediately after configuration command is completed.
- If a system alarm occurs, the alarm message will appear at the bottom of the screen. When touching the left end of the message, the display position of the message changes in the order of upper, center, and lower. When touching the other part of the message, the [Alarm Reset] window appears.

6.3.24 Alarm Reset (W-30001)



Outline

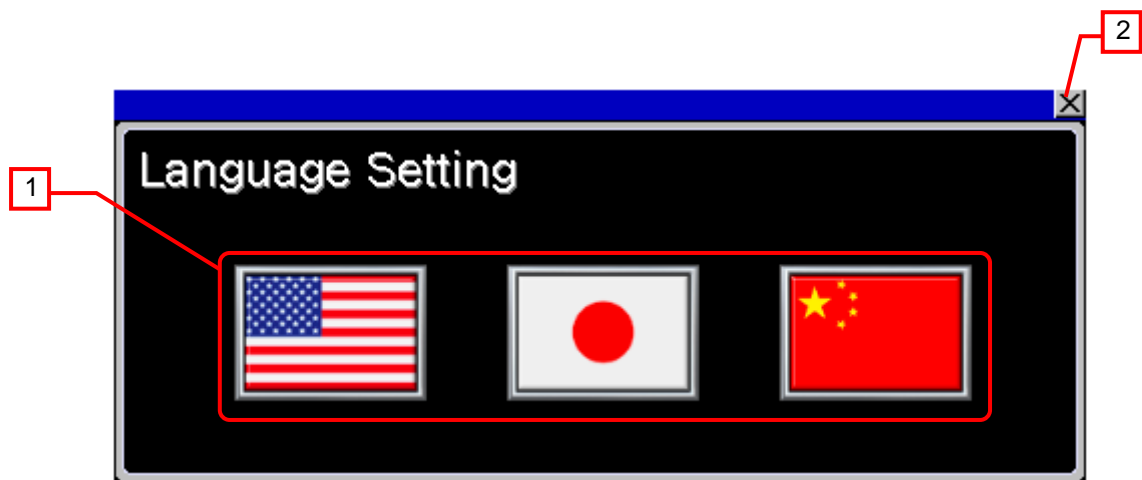
This window screen allows resetting the system alarm.

Description

1. Resets the system alarm, and closes the window screen after 1 second.
2. Closes the window screen.

Remarks

6.3.25 Language Setting (W-30002)



Outline

This window screen allows selecting the GOT language.

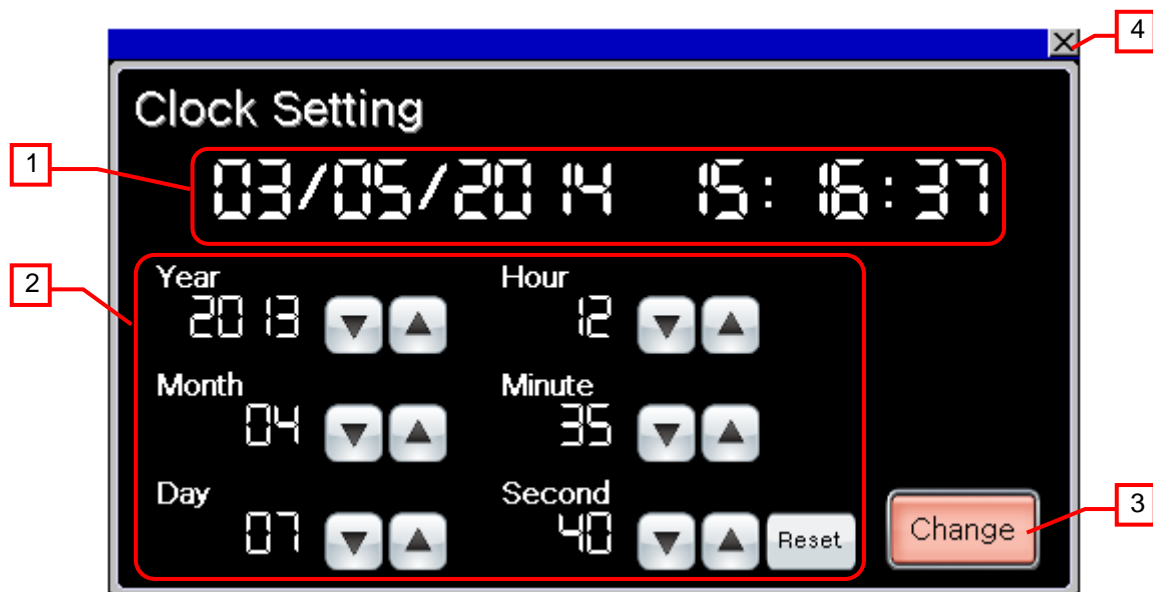
Description

1. Switches the language and closes the window screen.
2. Closes the window screen.

Remarks

- The system language and Document ID for manual display also switched corresponding to the display language.



6.3.26 Clock Setting (W-30003)



Outline

This window screen allows changing the GOT clock data.

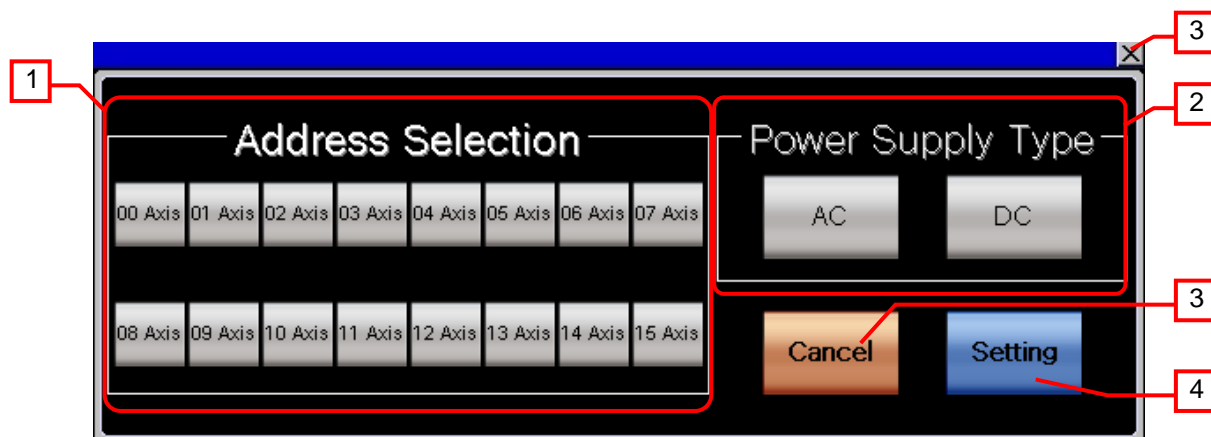
Description

1. Displays the current date and time.
2. Use   switches to change the date and time. Hold down the switches to increment or decrement the value continuously. The [Reset] switch resets the seconds.
3. Applies the set date and time to the GOT clock data, and closes the window screen after 1 second.
4. Closes the window screen.

Remarks

- The date and time at window opening are initially set as the clock data to be newly set.
- Object scripts are set for the numerical display of the year, month, date, hour, minute and second in the clock data to be newly set. For more details about scripts, please refer to "6.6 Script List".

6.3.27 Axis Switching (W-30004)



Outline

Selects the address and the power supply type.

Description

1. Selects the address number of the driver to be monitored.
2. Specifies the power supply type of the driver to be monitored.
3. Closes the window screen without the settings being reflected.
4. Reflects the settings and closes the window screen. When the address number and power supply type are not selected, the settings are not completed.

Remarks

- The project script is used to execute the automatic parameter reading when the address number is switched. A screen script is used for setting the address selection and the power supply type. For more details about scripts, please refer to "6.6 Script List".

6.3.28 Reading dialog (W-30010)



Outline

This dialog window is displayed while the operation data or parameter is read.

Description

Remarks

6.3.29 Writing dialog (W-30011)



Outline

This dialog window is displayed while the operation data or parameter is written.

Description

Remarks

6.3.30 Read error dialog (W-30012)



1

Outline

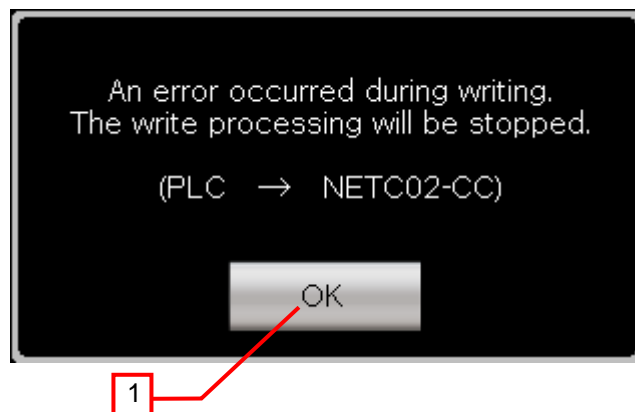
This dialog window is displayed when an error has occurred while the operation data or parameter is read.

Description

1. Closes the window screen.

Remarks

6.3.31 Write error dialog (W-30013)



Outline

This dialog window is displayed when an error has occurred while the operation data or parameter is written.

Description

1. Closes the window screen.

Remarks

6.3.32 Operation Data Input (W-32001)

No.12	
Operation mode	<input type="button" value="Incremental"/> <input type="button" value="Absolute"/>
Position	-1234567 [step]
Operating speed	1234567 [Hz]
Operation function	<input type="button" value="Single-motion"/> <input type="button" value="Linked-motion"/> <input type="button" value="Linked-motion 2"/> <input type="button" value="Push-motion"/>
Push current	12.3 [%]
Dwell time	12.345 [s]
Sequential positioning	<input type="button" value="Disable"/> <input type="button" value="Enable"/>
Acceleration	1234.567 [ms/kHz]
Deceleration	1234.567 [ms/kHz]

Max Value 8388607
Min Value -8388608

DEL AC << >>

7 8 9 +/-

4 5 6

1 2 3 Enter

0 .

Cancel

Setting

Outline

This window screen displays and edits the operation data.

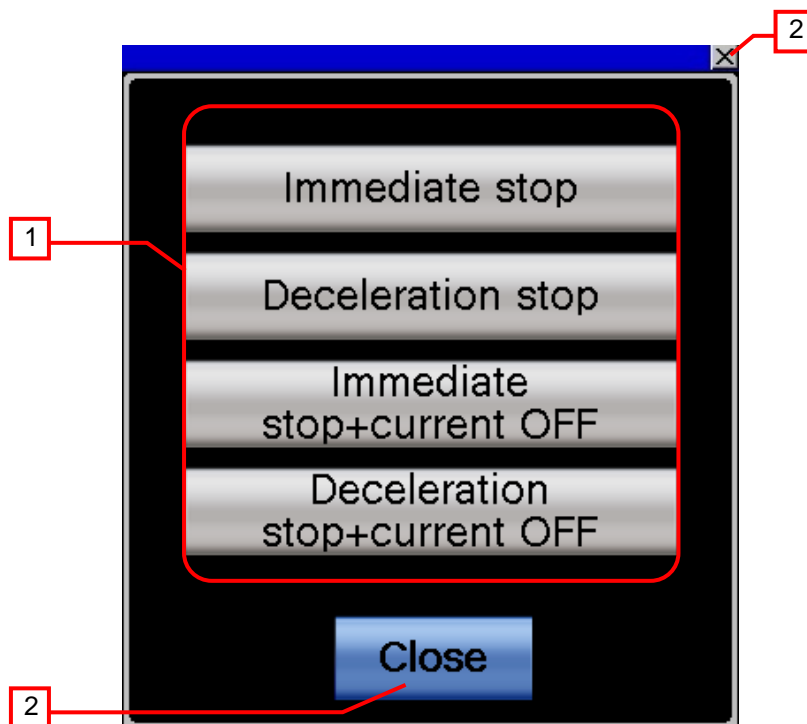
Description

1. Displays and edits the operation data.
2. Numeric keypad to input.
3. Closes the window screen and the edited data is not reflected.
4. The edited data is reflected and closes the window screen.

Remarks

- The screen script is used to initialize the input area of the operation data. For the details on the script, refer to "6.6 Script List".

6.3.33 STOP Input Action (W-32002)



Outline

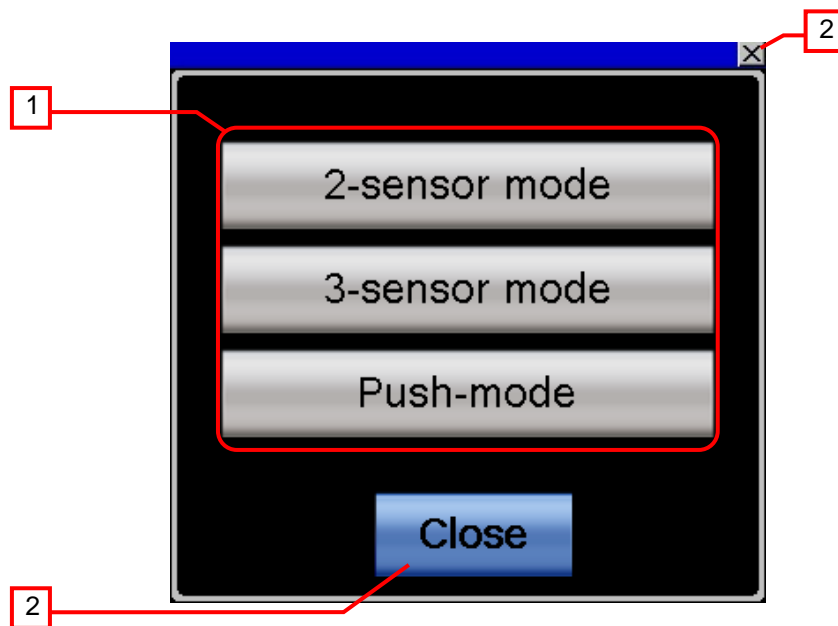
This window screen displays and sets the setting of STOP input action.

Description

1. Displays and sets the content of the STOP input action.
2. Closes the window screen.

Remarks

6.3.34 Home-seeking Mode (W-32003)



Outline

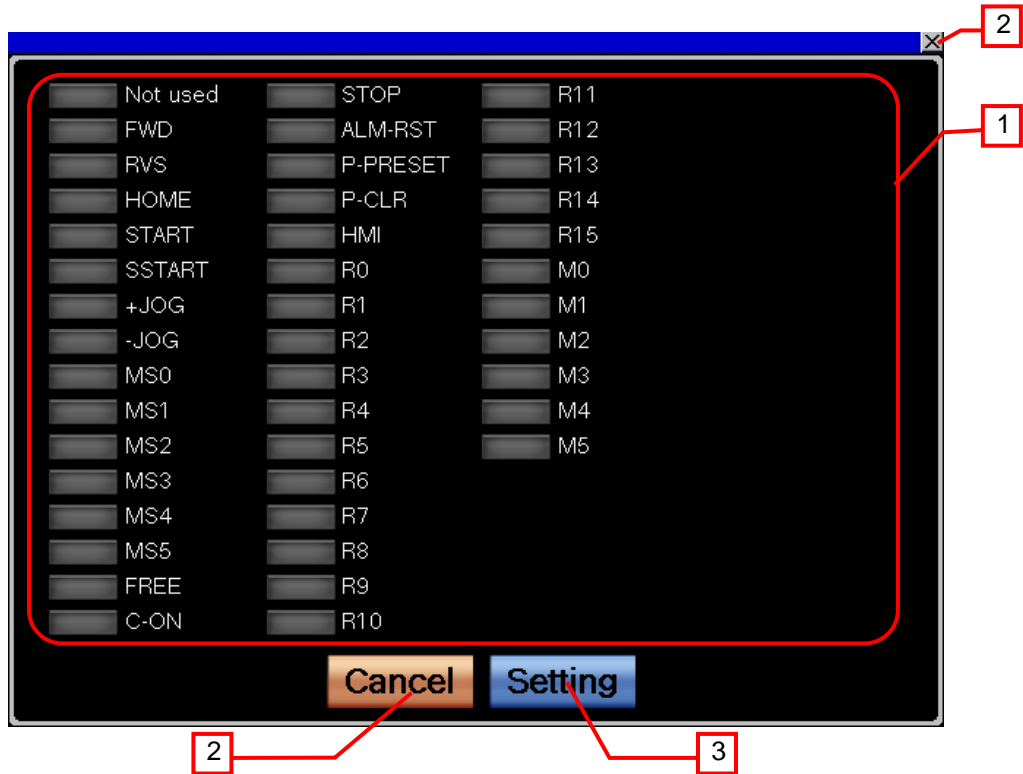
This window screen displays and sets the setting of Home-seeking mode.

Description

1. Displays and sets the content of the Home-seeking mode.
2. Closes the window screen.

Remarks

6.3.35 IN Input Function Selection (W-32004)



Outline

This window screen displays and sets the setting of IN input function selection.

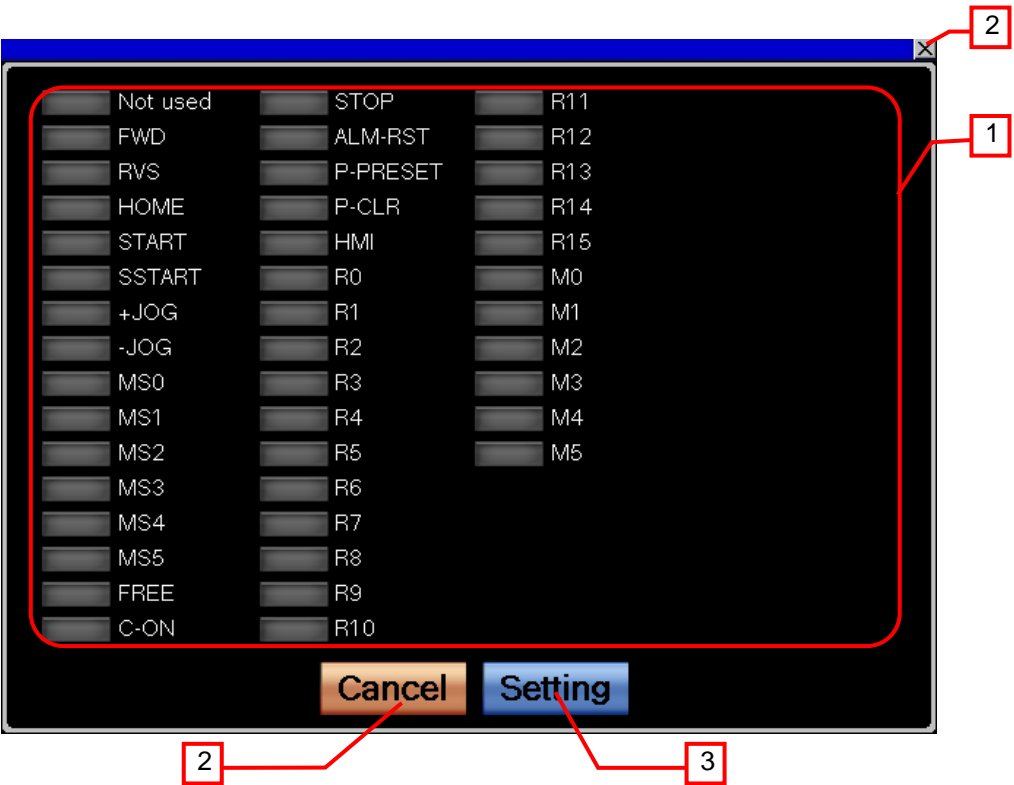
Description

- 1. Displays and sets the content of the IN input function selection.
- 2. Closes the window screen without the settings being reflected.
- 3. Reflects the settings and closes the window screen.

Remarks

- The screen script is used to reflect the changed settings to the parameter screen. For the details on the script, refer to "6.6 Script List".

6.3.36 NET-IN Input Function Selection (W-32005)



Outline

This window screen displays and sets the setting of NET-IN input function selection.

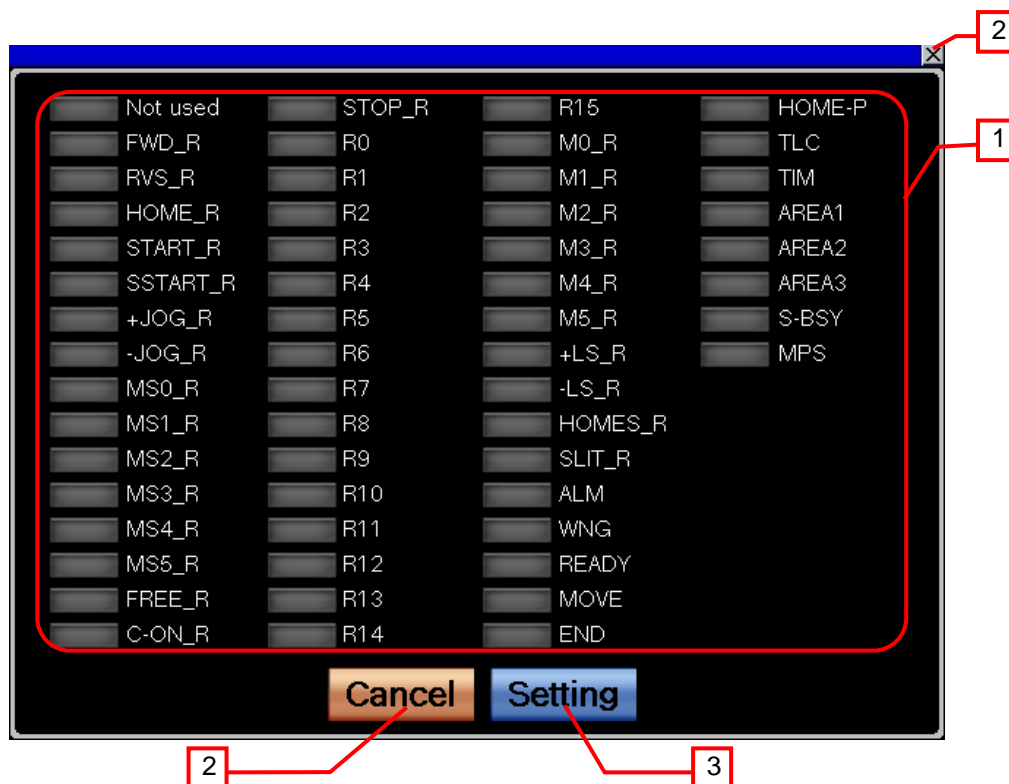
Description

- 1. Displays and sets the content of the NET-IN input function selection.
- 2. Closes the window screen without the settings being reflected.
- 3. Reflects the settings and closes the window screen.

Remarks

- The screen script is used to reflect the changed settings to the parameter screen. For the details on the script, refer to "6.6 Script List".

6.3.37 OUT/NET-OUT Function Selection (W-32006)



Outline

This window screen displays and sets the setting of OUT/NET-OUT function selection.

Description

1. Displays and sets the content of the OUT/NET-OUT function selection.
2. Closes the window screen without the settings being reflected.
3. Reflects the settings and closes the window screen.

Remarks

- MPS is only valid for AC power supply type.
- The screen script is used to reflect the changed settings to the parameter screen. For the details on the script, refer to "6.6 Script List".

6.4 Device List

Some of the devices specified to the on-screen switches and lamps, etc., are also used for common settings of functions such as scripts. Using [Batch Edit] is recommended to change these devices in a batch. For more details about using [Batch Edit], please refer to the "GT Designer3 (GOT2000) Help".

6.4.1 Devices of the controller

Type	Device No.	Application
Bit	M1000	Operation data read trigger
	M1002	FB(DataRead) error detection device
	M1003	FB(DataWrite) error detection device
	M1004	Operation data screen test operation execution trigger
	M1005	Operation data setting value change trigger
	M1006	Minimum travel amount value write completion flag
	M1007	Operation data screen Return-to-home operation execution trigger
	M1008	Operation data screen set position execution trigger
	M1010	I/O parameter read execution trigger
	M1011	I/O parameter write execution trigger
	M1015	Motor parameter read execution trigger
	M1016	Motor parameter write execution trigger
	M1020	Operation parameter read execution trigger
	M1021	Operation parameter write execution trigger
	M1025	Return-to-home parameter read execution trigger
	M1026	Return-to-home parameter write execution trigger
	M1030	Alarm & warning parameter read execution trigger
	M1031	Alarm & warning parameter write execution trigger
	M1035	Coordinate parameter read execution trigger
	M1036	Coordinate parameter write execution trigger
	M1040	Common parameter read execution trigger
	M1041	Common parameter write execution trigger
	M1045	I/O function parameter read execution trigger
	M1046	I/O function parameter write execution trigger
	M1050	I/O function RS-485 parameter read execution trigger
	M1051	I/O function RS-485 parameter write execution trigger
	M1055	Communication parameter read execution trigger
	M1056	Communication parameter write execution trigger
	M1065	Absolute position error alarm reset trigger
	M1066	Alarm reset trigger
	M1067	Record clear trigger
	M1068	Alarm record clear flag
	M1069	Warning record clear flag
	M1070	Axis No. 00 – 03 Test operation flag
	M1071	Axis No. 04 – 07 Test operation flag
	M1072	Axis No. 08 – 11 Test operation flag
	M1073	Axis No. 12 – 15 Test operation flag
	M1075	Axis No. 00, 04, 08, 12 Test operation execution trigger
	M1076	Axis No. 01, 05, 09, 13 Test operation execution trigger
	M1077	Axis No. 02, 06, 10, 14 Test operation execution trigger
	M1078	Axis No. 03, 07, 11, 15 Test operation execution trigger
	M1100	Dialog window display flag
	M1101	Read flag
	M1102	Write flag
	M1103	FB execution status reset trigger
	M1110	Axis No. 00, 04, 08, 12 Continuous operation execution trigger
	M1111	Axis No. 00, 04, 08, 12 Continuous operation reverse rotation flag
	M1112	Axis No. 00, 04, 08, 12 Continuous operation forward rotation flag
	M1113	Axis No. 00, 04, 08, 12 JOG operation execution trigger
	M1114	Axis No. 00, 04, 08, 12 JOG operation reverse rotation flag
	M1115	Axis No. 00, 04, 08, 12 JOG operation forward rotation flag
	M1116	Axis No. 00, 04, 08, 12 Positioning operation execution trigger
	M1117	Axis No. 00, 04, 08, 12 Position preset execution trigger

Type	Device No.	Application
Bit	M1118	Axis No. 00, 04, 08, 12 Return-to-home operation execution trigger
	M1119	Axis No. 00, 04, 08, 12 Alarm reset execution trigger
	M1120	Axis No. 01, 05, 09, 13 Continuous operation execution trigger
	M1121	Axis No. 01, 05, 09, 13 Continuous operation reverse rotation flag
	M1122	Axis No. 01, 05, 09, 13 Continuous operation forward rotation flag
	M1123	Axis No. 01, 05, 09, 13 JOG operation execution trigger
	M1124	Axis No. 01, 05, 09, 13 JOG operation reverse rotation flag
	M1125	Axis No. 01, 05, 09, 13 JOG operation forward rotation flag
	M1126	Axis No. 01, 05, 09, 13 Positioning operation execution trigger
	M1127	Axis No. 01, 05, 09, 13 Position preset execution trigger
	M1128	Axis No. 01, 05, 09, 13 Return-to-home operation execution trigger
	M1129	Axis No. 01, 05, 09, 13 Alarm reset execution trigger
	M1130	Axis No. 02, 06, 10, 14 Continuous operation execution trigger
	M1131	Axis No. 02, 06, 10, 14 Continuous operation reverse rotation flag
	M1132	Axis No. 02, 06, 10, 14 Continuous operation forward rotation flag
	M1133	Axis No. 02, 06, 10, 14 JOG operation execution trigger
	M1134	Axis No. 02, 06, 10, 14 JOG operation reverse rotation flag
	M1135	Axis No. 02, 06, 10, 14 JOG operation forward rotation flag
	M1136	Axis No. 02, 06, 10, 14 Positioning operation execution trigger
	M1137	Axis No. 02, 06, 10, 14 Position preset execution trigger
	M1138	Axis No. 02, 06, 10, 14 Return-to-home operation execution trigger
	M1139	Axis No. 02, 06, 10, 14 Alarm reset execution trigger
	M1140	Axis No. 03, 07, 11, 15 Continuous operation execution trigger
	M1141	Axis No. 03, 07, 11, 15 Continuous operation reverse rotation flag
	M1142	Axis No. 03, 07, 11, 15 Continuous operation forward rotation flag
	M1143	Axis No. 03, 07, 11, 15 JOG operation execution trigger
	M1144	Axis No. 03, 07, 11, 15 JOG operation reverse rotation flag
	M1145	Axis No. 03, 07, 11, 15 JOG operation forward rotation flag
	M1146	Axis No. 03, 07, 11, 15 Positioning operation execution trigger
	M1147	Axis No. 03, 07, 11, 15 Position preset execution trigger
	M1148	Axis No. 03, 07, 11, 15 Return-to-home operation execution trigger
	M1149	Axis No. 03, 07, 11, 15 Alarm reset execution trigger
	M1150	All data initialization trigger
	M1151	Configuration execution trigger
	M1152	Batch NV memory write trigger
	M1153	Batch NV memory read trigger
	M1200	Operation data screen positioning operation execution trigger
	M1201	Operation data screen continuous operation execution trigger
	M1202	Operation data screen continuous operation forward rotation flag
	M1203	Operation data screen continuous operation reverse rotation flag
	M1204	Operation data screen JOG operation execution trigger
	M1205	Operation data screen JOG operation forward rotation flag
	M1206	Operation data screen JOG operation reverse rotation flag
	M1210	Operation data screen position preset execution trigger
	M1220	Monitor FB execution command OFF notification
	M1230	STOP command flag
	M1231	Operation data screen STOP command trigger
	M1235	Axis No. 00, 04, 08, 12 STOP command trigger
	M1236	Axis No. 01, 05, 09, 13 STOP command trigger
	M1237	Axis No. 02, 06, 10, 14 STOP command trigger
	M1238	Axis No. 03, 07, 11, 15 STOP command trigger
	M1240	Operation data screen Interlock during operation
	M1241	Axis No. 00, 04, 08, 12 Interlock during operation
	M1242	Axis No. 01, 05, 09, 13 Interlock during operation
	M1243	Axis No. 02, 06, 10, 14 Interlock during operation
	M1244	Axis No. 03, 07, 11, 15 Interlock during operation
	D2546.b0	I/O monitor + LS
	D2546.b1	I/O monitor – LS
	D2546.b2	I/O monitor HOMES

Type	Device No.	Application
Bit	D2546.b3	I/O monitor SLIT
	D2546.b6	I/O monitor IN0
	D2546.b7	I/O monitor IN1
	D2546.b8	I/O monitor IN2
	D2546.b9	I/O monitor IN3
	D2546.b10	I/O monitor IN4
	D2546.b11	I/O monitor IN5
	D2546.b12	I/O monitor IN6
	D2546.b13	I/O monitor IN7
	D2547.b0	I/O monitor OUT0
	D2547.b1	I/O monitor OUT1
	D2547.b2	I/O monitor OUT2
	D2547.b3	I/O monitor OUT3
	D2547.b4	I/O monitor OUT4
	D2547.b5	I/O monitor OUT5
	D3862.b0	Hardware overtravel
	D3864.b0	Overtravel action
	D3884.b0	LS logic level
	D3886.b0	HOMES logic level
	D3888.b0	SLIT logic level
	D3902.b0	HOME-P output function selection
	D3924.b0	Filter selection
	D3930.b0	Control mode
	D3932.b0	Smooth driver
	D3952.b0	Acceleration/deceleration type
	D3954.b0	Acceleration/deceleration unit
	D3956.b0	Automatic return action
	D3980.b0	Starting direction of home-seeking
	D3982.b0	SLIT detection with home-seeking
	D3984.b0	TIM signal detection with home-seeking
	D3994.b0	Return-to-home incomplete alarm
	D4014.b0	Motor rotation direction
	D4016.b0	Software overtravel
	D4024.b0	Wrap setting
	D4030.b0	Data setter speed display
	D4032.b0	Data setter edit
	D4034.b0	Absolute-position backup system
	D4056.b0	IN0 input logic level setting
	D4058.b0	IN1 input logic level setting
	D4060.b0	IN2 input logic level setting
	D4062.b0	IN3 input logic level setting
	D4064.b0	IN4 input logic level setting
	D4066.b0	IN5 input logic level setting
	D4068.b0	IN6 input logic level setting
	D4070.b0	IN7 input logic level setting
Word	D350	Currently displayed base screen number notification device
	D800	Address number input
	D810	Axis No. 00, 04, 08, 12 Alarm
	D812	Axis No. 00, 04, 08, 12 Command position
	D814	Axis No. 01, 05, 09, 13 Alarm
	D816	Axis No. 01, 05, 09, 13 Command position
	D818	Axis No. 02, 06, 10, 14 Alarm
	D820	Axis No. 02, 06, 10, 14 Command position
	D822	Axis No. 03, 07, 11, 15 Alarm
	D824	Axis No. 03, 07, 11, 15 Command position
	D900	Offset value of the target input value (For word)
	D901	Offset value of the target input value (For double-word)
	D910	Operation data No. specification device for teaching operation
	D920	Axis No. 00 operation data No. specification device for teaching operation
	D922	Axis No. 01 operation data No. specification device for teaching operation

Type	Device No.	Application
Word	D924	Axis No. 02 operation data No. specification device for teaching operation
	D926	Axis No. 03 operation data No. specification device for teaching operation
	D928	Axis No. 04 operation data No. specification device for teaching operation
	D930	Axis No. 05 operation data No. specification device for teaching operation
	D932	Axis No. 06 operation data No. specification device for teaching operation
	D934	Axis No. 07 operation data No. specification device for teaching operation
	D936	Axis No. 08 operation data No. specification device for teaching operation
	D938	Axis No. 09 operation data No. specification device for teaching operation
	D940	Axis No. 10 operation data No. specification device for teaching operation
	D942	Axis No. 11 operation data No. specification device for teaching operation
	D944	Axis No. 12 operation data No. specification device for teaching operation
	D946	Axis No. 13 operation data No. specification device for teaching operation
	D948	Axis No. 14 operation data No. specification device for teaching operation
	D950	Axis No. 15 operation data No. specification device for teaching operation
	D960	Alarm code storage device for operation data
	D1000+2n (n=0 to 62)	Position No. 0 to No. 62
	D1128+2n (n=0 to 62)	Operating speed No. 0 to No. 62
	D1256+2n (n=0 to 62)	Operation mode No. 0 to No. 62
	D1384+2n (n=0 to 62)	Operation function No. 0 to No. 62
	D1512+2n (n=0 to 62)	Acceleration No. 0 to No. 62
	D1640+2n (n=0 to 62)	Deceleration No. 0 to No. 62
	D1768+2n (n=0 to 62)	Push current No. 0 to No. 62
	D1896+2n (n=0 to 62)	Sequential positioning No. 0 to No. 62
	D2024+2n (n=0 to 62)	Dwell time No. 0 to No. 62
	D2254	Acceleration/deceleration unit
	D2340+2n(n=0 to 7)	IN0 to IN7 input function selection
	D2372+2n(n=0 to 5)	OUT0 to OUT5 input function selection
	D2470	Current Alarm
	D2472+2n(n=0 to 9)	Alarm history 1 to 10
	D2492	Current warning
	D2494+2n(n=0 to 9)	Warning history 1 to 10
	D2534	Current selected data No.
	D2536	Current operation data No.
	D2538	Current position
	D2540	Command speed
	D2542	Feedback position
	D2544	Feedback speed
	D2700+2n (n=0 to 62)	Position No. 0 to No. 62 (For write operation)
	D2828+2n (n=0 to 62)	Operating speed No. 0 to No. 62 (For write operation)
	D2956+2n (n=0 to 62)	Operation mode No. 0 to No. 62 (For write operation)
	D3084+2n (n=0 to 62)	Operation function No. 0 to No. 62 (For write operation)
	D3212+2n (n=0 to 62)	Acceleration No. 0 to No. 62 (For write operation)
	D3340+2n (n=0 to 62)	Deceleration No. 0 to No. 62 (For write operation)
	D3468+2n (n=0 to 62)	Push current No. 0 to No. 62 (For write operation)
	D3596+2n (n=0 to 62)	Sequential positioning No. 0 to No. 62 (For write operation)
	D3724+2n (n=0 to 62)	Dwell time No. 0 to No. 62 (For write operation)
	D3860	STOP input action (For write operation)
	D3866	Positioning completion signal range (For write operation)
	D3868	Positioning completion output offset (For write operation)
	D3870	AREA1 positive direction position (For write operation)
	D3872	AREA1 negative direction position (For write operation)
	D3874	AREA2 positive direction position (For write operation)
	D3876	AREA2 negative direction position (For write operation)
	D3878	AREA3 positive direction position (For write operation)
	D3880	AREA3 negative direction position (For write operation)
	D3882	MOVE output minimum time (For write operation)
	D3890	MS0 Operation No. selection (For write operation)
	D3892	MS1 Operation No. selection (For write operation)
	D3894	MS2 Operation No. selection (For write operation)
	D3896	MS3 Operation No. selection (For write operation)

Type	Device No.	Application
Word	D3898	MS4 Operation No. selection (For write operation)
	D3900	MS5 Operation No. selection (For write operation)
	D3910	RUN current (For write operation)
	D3912	STOP current (For write operation)
	D3914	Position loop gain (For write operation)
	D3916	Speed loop gain (For write operation)
	D3918	Speed loop integral time constant (For write operation)
	D3920	Speed filter (For write operation)
	D3922	Moving average time (For write operation)
	D3926	Speed error gain 1 (For write operation)
	D3928	Speed error gain 2 (For write operation)
	D3940	Common acceleration (For write operation)
	D3942	Common deceleration (For write operation)
	D3944	Starting speed (For write operation)
	D3946	JOG operating speed (For write operation)
	D3948	JOG acceleration/deceleration (For write operation)
	D3950	JOG starting speed (For write operation)
	D3958	Automatic return operation speed (For write operation)
	D3960	Automatic return acceleration/deceleration (For write operation)
	D3962	Automatic return starting speed (For write operation)
	D3964	JOG travel amount (For write operation)
	D3970	Home-seeking mode (For write operation)
	D3972	Operating speed of home-seeking (For write operation)
	D3974	Acceleration/deceleration of home-seeking (For write operation)
	D3976	Starting speed of home-seeking (For write operation)
	D3978	Position offset of home-seeking (For write operation)
	D3986	Operating current of push-motion home-seeking (For write operation)
	D3990	Overload alarm (For write operation)
	D3992	Overflow rotation alarm during current on (For write operation)
	D3996	Overflow rotation alarm during current off (For write operation)
	D3998	Overheat warning (For write operation)
	D4000	Overload warning (For write operation)
	D4002	Overspeed warning (For write operation)
	D4004	Overvoltage warning (For write operation)
	D4006	Undervoltage warning (For write operation)
	D4008	Overflow rotation warning during current on (For write operation)
	D4010	Electronic gear A (For write operation)
	D4012	Electronic gear B (For write operation)
	D4018	Positive software Limit (For write operation)
	D4020	Negative software Limit (For write operation)
	D4022	Preset position (For write operation)
	D4026	Wrap setting range (For write operation)
	D4040+2n(n=0 to 7)	IN0 to IN7 input function selection (For write operation)
	D4072+2n(n=0 to 5)	OUT0 to OUT5 Output function selection (For write operation)
	D4090+2n(n=0 to 15)	NET-IN0 to NET-IN15 input function selection (For write operation)
	D4122+2n(n=0 to 15)	NET-OUT0 to NET-OUT15 input function selection (For write operation)
	D4160	Communication timeout (For write operation)
	D4162	Communication error alarm (For write operation)

6.4.2 GOT internal devices

Type	Device No.	Application
Bit	GB40	Always ON
	GB60001	Script trigger for storing the offset value of the position data
	GB60002	Screen switching interlock flag
	GB61000	Status flag
	GB61001	Address selection status flag
	GB61002	Power supply type status flag
	GB61010	Power supply type discrimination flag
	GB61020	Automatic Reading at Address Number Switching trigger
	GB62000	Input area initialization flag
	GB62002	Script trigger for determining the touch position
	GB62004	Write trigger of I/O function selection
	GB62005	OUT/NET-OUT discrimination bit
	GB62006	Overlap window displaying flag
	GD60031.b13	Alarm reset
	GD60082.b15	Maximum page number display flag
	GS512.b0	Time change signal
Word	GD60000	Base screen switching
	GD60001	Overlap window 1 screen switching
	GD60004	Overlap window 2 screen switching
	GD60009	Dialog window screen switching
	GD60021	Language switching
	GD60022	System language switching
	GD60031, GD60041	System information
	GD60042	User ID indicated currently by cursor
	GD60043	Currently displayed base screen number
	GD60080	Document ID
	GD60081	Page No.
	GD60082	Last page No. notification device
	GD60990	Backup of currently displayed base screen number
	GD61001	Address number
	GD61002	Power supply type specification
	GD61011	Touch position storage device for operation data
	GD61012	Offset device for displaying operation data
	GD61015	Signal number of IN input
	GD61016	Temporary storage device for IN input function selection
	GD61018	Signal number of OUT output
	GD61019	Temporary storage device for OUT/NET-OUT output function selection
	GD61021	Signal number of NET-IN input
	GD61022	Temporary storage device for NET-IN input function selection
	GD61024	Signal number of NET-OUT output
	GD61050	Address number comparison device
	GD62500	Offset value of position data
	GD63000	Address number of operation data input window
	GD63001	Offset device of operation data input window
	GD63990 to GD63995	Clock digiswitch
	GS513 to GS516	Change time
	GS650 to GS652	Present time
	TMP950 to TMP996	For script operation

6.5 Comment List

Comment Group No.	Comment No.	Where comments are used
497	No.1 to 240	B-31015, B-31018, B-31019
498	No.1 to 60	B-31012, B-31013, B-31016, W-32004, W-32005
499	No.1 to 90	B-31012, B-31013, B-31016, W-32006
500	No.1, 2	B-30002 to B-30006, B-30500 to B-31030
	No.3	B-30002, B-30003
	No.4	B-30002, B-30004
	No.5	B-30002, B-30005
	No.7	B-30002
	No.8	B-30001
	No.9 to 13	B-30003, B-31004 to B-31008
	No.14 to 16, 18	B-30004, B-31010 to B-31014
	No.17	B-30004
	No.19 to 20	B-30005, B-30500, B-31015 to B-31019
	No.22 to 23	B-30005
	No.25 to 26	B-30006, B-31020 to B-31025
	No.27	B-30003 to B-30006, B-31002, B-31010 to B-31014, B-31030
	No.28	B-30003 to B-30006, B-31002 to B-31008, B-31030
	No.29 to 31	B-30003 to B-30006, B-31002, B-31030
	No.32 to 33	B-31004 to B-31008
	No.34	B-31010 to B-31014
	No.36	B-30003 to B-30005, B-30500 to B-31019, B-31030
	No.37	B-30005, B-30500
	No.38 to 40	B-30500, B-31015 to B-31019
	No.50 to 51	B-30001 to B-30006, B-31002 to B-31019, B-31030
	No.100 to 132	B-31002
	No.150 to 187	B-31004
	No.200 to 220	B-31005
	No.250 to 271	B-31006
	No.300 to 318	B-31007
	No.350 to 364	B-31008
	No.400 to 415	B-31010
	No.450 to 459	B-31011
	No.500 to 526	B-31012
	No.550 to 584	B-31013
	No.600 to 604	B-31014
	No.650 to 660	B-31015
	No.700 to 703	B-31016
	No.800 to 806	B-31018
	No.850 to 856	B-31019
	No.1000 to 1014, 1031, 1046	B-31022 to B-31025
	No.1015 to 1018	B-31022
	No.1019 to 1022	B-31023
	No.1023 to 1026	B-31024
	No.1027 to 1030	B-31025
	No.1050 to 1064	B-31030
	No.1100 to 1101	W-30001
	No.1150	W-30002
	No.1200 to 1208	W-30003
	No.1250 to 1284	W-30004
	No.1300 to 1334	W-32001
	No.1350 to 1354	W-32002
	No.1400 to 1403	W-32003
	No.1450 to 1451	W-32004 to W-32006
	No.1500	W-30010
	No.1510	W-30011
	No.1520	W-30012
	No.1530	W-30013

6.6 Script List

Item	Settings
Project script	Specified
Screen script	B-30500, B-31002 to B-31014, B-31016, B-31022 to B-31025, W-30004, W-32001, W-32004 to W-32006
Object script	B-30500, W-30003

6.6.1 Project script

Script No.	30001	Script name	Script30001
Comment	Initial setting		
Data type	Signed BIN16	Trigger type	Rise GB40
<pre>//Configure the initial setting //The script is executed only once at the GOT startup. [w:GD60080]=201; //Set Document ID to 201 [w:GD60081]=1; //Set Document page No. to 1 [w:D800] = 0; // Initial value of Slave (driver) address number (number for Station No. switching) [w:GD61050] = 0; //Initial value of address number comparison device [w:GD61001] = 0xFF; //Initial value of axis selection device of screen switching window</pre>			
Script No.	30003	Script name	Script30003
Comment	Monitor flag control		
Data type	Signed BIN16	Trigger type	Rise GB40
<pre>//Control the execution trigger for monitor FB for each base screen //GD60043: Currently displayed base screen number //GD60990: Backup of currently displayed base screen number //M1220: Monitor FB execution command OFF notification //D350: Currently displayed base screen number notification device //When the currently displayed screen number is switched if([u16:GD60990] != [u16:GD60043]) { [u16:GD60990] = [u16:GD60043]; //Store the currently displayed base screen number into the backup device [w:D350] = [u16:GD60043]; //Notify the number of the currently displayed base screen to PLC //Execute an individual processing according to the base screen number switch([w:GD60043]){ case 31002: //Base screen 31002 Operation data rst([b:M1220]); break; case 31015: //Base screen 31015 Monitor Status rst([b:M1220]); break; case 31016: //Base screen 31016 Monitor I/O monitor rst([b:M1220]); break; case 31018: //Base screen 31018 Monitor Alarm records rst([b:M1220]); break; case 31019: //Base screen 31019 Monitor Warning records rst([b:M1220]); break; default: //Other screens set([b:M1220]); //Monitor FB execution command OFF notification break; } }</pre>			
Script No.	30004	Script name	Script30004
Comment	AutoReading at address switching		
Data type	Signed BIN16	Trigger type	ON GB61020

```

//Read the parameter or other data on each screen when the address number is switched

//[w:GD61050]: Address number comparison device

//When the address number of the PLC device corresponds to that of the comparison device
if([w:GD61050] == [w:D800]){
  //Set an individual read trigger according to the currently displayed screen number
  switch([w:GD60043]){
    case 31002:
      set([b:M1000]); //Set the operation data read trigger
      break;
    case 31004:
      set([b:M1010]); //Set the I/O parameter read trigger
      break;
    case 31005:
      set([b:M1015]); //Set the motor parameter read trigger
      break;
    case 31006:
      set([b:M1020]); //Set the operation parameter read trigger
      break;
    case 31007:
      set([b:M1025]); //Set the Return-to-home parameter read trigger
      break;
    case 31008:
      set([b:M1030]); //Set the alarm & warning parameter read trigger
      break;
    case 31010:
      set([b:M1035]); //Set the coordinate parameter read trigger
      break;
    case 31011:
      set([b:M1040]); //Set the common parameter read trigger
      break;
    case 31012:
      set([b:M1045]); //Set the I/O function parameter read trigger
      break;
    case 31016:
      set([b:M1045]); //Set the I/O function parameter read trigger
      break;
    case 31013:
      set([b:M1050]); //Set the remote I/O parameter read trigger
      break;
    case 31014:
      set([b:M1055]); //Set the communication parameter read trigger
      break;
  }
  rst([b:GB61020]); //Terminate the activation trigger of the script.
}

```

Script No.	30103	Script name	Script30103
Comment	Close the dialog		
Data type	Signed BIN16	Trigger type	OFF M1100
<pre> //Close the dialog window [w:GD60009] = 0; </pre>			

6.6.2 Screen script

Base screen 30500

Script No.	30002	Script name	Script30002
Comment	DocumentDisplayProcessOfLastPage		
Data type	Unsigned BIN16	Trigger type	Ordinary
<pre>//Check the total number of document pages is not 0. if([w:GD60082]!=0){ //Compare the current page number to the total number of document pages to see if the current page number exceeds the total number. if([w:GD60081]>[w:GD60082]){ //Set the last page to display. [w:GD60081]=[w:GD60082]; } };</pre>			

Base screen 31002

Script No.	30101	Script name	Script30101
Comment	Automatic reading for operation data		
Data type	Signed BIN16	Trigger type	Rise GB40
<pre>//Execute the automatic data reading at the time of the screen switching set([b:M1000]); //Turn ON the operation data read trigger</pre>			
Script No.	30102	Script name	Script30102
Comment	Dialog display		
Data type	Signed BIN16	Trigger type	ON M1100
<pre>//Display the dialog window during the processing //[b:M1002]: FB(DataRead) error detection device //[b:M1003]: FB(DataWrite) error detection device //Display the dialog window while the operation data is read if([b:M1101]){ //Switch the dialog window to be displayed according to the status of the error detection device if([b:M1002]==OFF){ [w:GD60009] = 30010; //Display the reading dialog window }else{ [w:GD60009] = 30012; //Display the reading error dialog window } } //Display the dialog window while the operation data is written if([b:M1102]){ //Switch the dialog window to be displayed according to the status of the error detection device if([b:M1003] == 0){ [w:GD60009] = 30011; //Display the writing dialog window }else{ [w:GD60009] = 30013; //Display the writing error dialog window } } }</pre>			
Script No.	30104	Script name	Script30104
Comment	OperationDataTouchPositionDetect		
Data type	Signed BIN16	Trigger type	ON GB62002
<pre>//Calculate the input offset value based on the touch position of the operation data and the offset value of the currently displayed operation No. //GD61011: Touch position storage device for operation data //GD61012: Offset device for displaying operation data //Calculate the offset value based on the input value [w:GD63000] = [w:GD61011] + (2 * [w:GD61012]);</pre>			

//Calculate the value of the selected operation data No.

[w:GD63001] = ([w:GD61011] /2) + [w:GD61012];

//Notify the input offset value to the PLC for the offset in units of double-word

[w:D901] = [w:GD63000];

//Notify the half value of the input offset value to the PLC for the offset in units of word

[w:D900] = [w:GD63000]/2;

[b:GB62002] = 0; //Terminate the activation trigger of the script.

Script No.	30107	Script name	Script30107
Comment	Position data offset storage		
Data type	Signed BIN16	Trigger type	ON GB60001

//Calculate the offset value to indicate the position data for teaching operation

//[w:GD62500]: Offset value of position data

//[w:D910]: Operation data No. specification device

//Calculate the offset value by using the two times value of the operation data since the position data is indicated in units of double-word

[w:GD62500] = [w:D910] * 2;

Base screen 31004

Script No.	30110	Script name	Script30110
Comment	Automatic reading for I/O parameter		
Data type	Signed BIN16	Trigger type	Rise GB40

//Execute the automatic data reading at the time of the screen switching

set([b:M1010]); //Turn ON the I/O parameter read trigger

Script No.	30102	Script name	Script30102
Comment	Dialog display		
Data type	Signed BIN16	Trigger type	ON M1100

Same as the script No. 30102 for the base screen 31002.

Base screen 31005

Script No.	30115	Script name	Script30115
Comment	Automatic reading for motor parameter		
Data type	Signed BIN16	Trigger type	Rise GB40

//Execute the automatic data reading at the time of the screen switching

set([b:M1015]); //Turn ON the motor parameter read trigger

Script No.	30102	Script name	Script30102
Comment	Dialog display		
Data type	Signed BIN16	Trigger type	ON M1100

Same as the script No. 30102 for the base screen 31002.

Base screen 31006

Script No.	30120	Script name	Script30120
Comment	Automatic reading for operation parameter		
Data type	Signed BIN16	Trigger type	Rise GB40

//Execute the automatic data reading at the time of the screen switching

set([b:M1020]); //Turn ON the operation parameter read trigger

Script No.	30102	Script name	Script30102
Comment	Dialog display		
Data type	Signed BIN16	Trigger type	ON M1100

Same as the script No. 30102 for the base screen 31002.

Base screen 31007

Script No.	30125	Script name	Script30125
Comment	Automatic reading for Return-to-home parameter		
Data type	Signed BIN16	Trigger type	Rise GB40
//Execute the automatic data reading at the time of the screen switching			
set([b:M1025]); //Turn ON the Return-to-home parameter read trigger			
Script No.	30102	Script name	Script30102
Comment	Dialog display		
Data type	Signed BIN16	Trigger type	ON M1100
Same as the script No. 30102 for the base screen 31002.			

Base screen 31008

Script No.	30130	Script name	Script30130
Comment	Automatic reading for alarm & warning		
Data type	Signed BIN16	Trigger type	Rise GB40
//Execute the automatic data reading at the time of the screen switching			
set([b:M1030]); //Turn ON the alarm & warning parameter read trigger			
Script No.	30102	Script name	Script30102
Comment	Dialog display		
Data type	Signed BIN16	Trigger type	ON M1100
Same as the script No. 30102 for the base screen 31002.			

Base screen 31010

Script No.	30135	Script name	Script30135
Comment	Automatic reading for coordinate parameter		
Data type	Signed BIN16	Trigger type	Rise GB40
//Execute the automatic data reading at the time of the screen switching			
set([b:M1035]); //Turn ON the coordinate parameter read trigger			
Script No.	30102	Script name	Script30102
Comment	Dialog display		
Data type	Signed BIN16	Trigger type	ON M1100
Same as the script No. 30102 for the base screen 31002.			

Base screen 31011

Script No.	30140	Script name	Script30140
Comment	Automatic reading for common parameter		
Data type	Signed BIN16	Trigger type	Rise GB40
//Execute the automatic data reading at the time of the screen switching			
set([b:M1040]); //Turn ON the common parameter read trigger			
Script No.	30102	Script name	Script30102
Comment	Dialog display		
Data type	Signed BIN16	Trigger type	ON M1100
Same as the script No. 30102 for the base screen 31002.			

Base screen 31012, 31016

Script No.	30145	Script name	Script30145
Comment	Automatic reading for I/O function parameter		
Data type	Signed BIN16	Trigger type	Rise GB40

//Execute the automatic data reading at the time of the screen switching			
set([b:M1045]); //Turn ON the I/O function parameter read trigger			
Script No.	30102	Script name	Script30102
Comment	Dialog display		
Data type	Signed BIN16	Trigger type	ON M1100
Same as the script No. 30102 for the base screen 31002.			

Base screen 31013

Script No.	30150	Script name	Script30150
Comment	Automatic reading for remote I/O parameter		
Data type	Signed BIN16	Trigger type	Rise GB40
//Execute the automatic data reading at the time of the screen switching			
set([b:M1050]); //Turn ON the remote I/O parameter read trigger			
Script No.	30102	Script name	Script30102
Comment	Dialog display		
Data type	Signed BIN16	Trigger type	ON M1100
Same as the script No. 30102 for the base screen 31002.			

Base screen 31014

Script No.	30155	Script name	Script30155
Comment	Automatic reading for communication parameter		
Data type	Signed BIN16	Trigger type	Rise GB40
//Execute the automatic data reading at the time of the screen switching			
set([b:M1055]); //Turn ON the communication parameter read trigger			
Script No.	30102	Script name	Script30102
Comment	Dialog display		
Data type	Signed BIN16	Trigger type	ON M1100
Same as the script No. 30102 for the base screen 31002.			

Base screen 31022

Script No.	30200	Script name	Script30200
Comment	Operation target Axis 00 - 03		
Data type	Signed BIN16	Trigger type	Rise GB40
//Switch the axis to be operated			
//Switch the axis status between valid and invalid			
set([b:M1070]); //Set axis No. 00 to 03 to be valid			
rst([b:M1071]); //Set axis No. 04 to 07 to be invalid			
rst([b:M1072]); //Set axis No. 08 to 11 to be invalid			
rst([b:M1073]); //Set axis No. 12 to 15 to be invalid			
Script No.	30102	Script name	Script30102
Comment	Dialog display		
Data type	Signed BIN16	Trigger type	ON M1100
Same as the script No. 30102 for the base screen 31002.			
Script No.	30201	Script name	Script30201
Comment	Interlock setting		
Data type	Signed BIN16	Trigger type	Ordinary
//Set the interlock to prevent the screen switching during the test operation			
//When at least any one of the axis executes the test operation			
if([b:M1075] [b:M1076] [b:M1077] [b:M1078]){			
set([b:GB60002]); //Turn ON the interlock for screen switching			

```

}else{
  rst([b:GB60002]); //Turn OFF the interlock for screen switching
}

```

Base screen 31023

Script No.	30205	Script name	Script30205
Comment	Operation target Axis 04 - 07		
Data type	Signed BIN16	Trigger type	Rise GB40
//Switch the axis to be operated //Switch the axis status between valid and invalid rst([b:M1070]); //Set axis No. 00 to 03 to be invalid set([b:M1071]); //Set axis No. 04 to 07 to be valid rst([b:M1072]); //Set axis No. 08 to 11 to be invalid rst([b:M1073]); //Set axis No. 12 to 15 to be invalid			
Script No.	30102	Script name	Script30102
Comment	Dialog display		
Data type	Signed BIN16	Trigger type	ON M1100
Same as the script No. 30102 for the base screen 31002.			
Script No.	30201	Script name	Script30201
Comment	Interlock setting		
Data type	Signed BIN16	Trigger type	Ordinary
Same as the script No. 30201 for the base screen 31022.			

Base screen 31024

Script No.	30210	Script name	Script30210
Comment	Operation target Axis 08 - 11		
Data type	Signed BIN16	Trigger type	Rise GB40
//Switch the axis to be operated //Switch the axis status between valid and invalid rst([b:M1070]); //Set axis No. 00 to 03 to be invalid rst([b:M1071]); //Set axis No. 04 to 07 to be invalid set([b:M1072]); //Set axis No. 08 to 11 to be valid rst([b:M1073]); //Set axis No. 12 to 15 to be invalid			
Script No.	30102	Script name	Script30102
Comment	Dialog display		
Data type	Signed BIN16	Trigger type	ON M1100
Same as the script No. 30102 for the base screen 31002.			
Script No.	30201	Script name	Script30201
Comment	Interlock setting		
Data type	Signed BIN16	Trigger type	Ordinary
Same as the script No. 30201 for the base screen 31022.			

Base screen 31025

Script No.	30215	Script name	Script30215
Comment	Operation target Axis 12 -15		
Data type	Signed BIN16	Trigger type	Rise GB40
//Switch the axis to be operated //Switch the axis status between valid and invalid rst([b:M1070]); //Set axis No. 00 to 03 to be invalid rst([b:M1071]); //Set axis No. 04 to 07 to be invalid rst([b:M1072]); //Set axis No. 08 to 11 to be invalid set([b:M1073]); //Set axis No. 12 to 15 to be valid			

Script No.	30102	Script name	Script30102
Comment	Dialog display		
Data type	Signed BIN16	Trigger type	ON M1100
Same as the script No. 30102 for the base screen 31002.			
Script No.	30201	Script name	Script30201
Comment	Interlock setting		
Data type	Signed BIN16	Trigger type	Ordinary
Same as the script No. 30201 for the base screen 31022.			

Window screen 30004

Script No.	30100	Script name	Script30100
Comment	Axis switching		
Data type	Unsigned BIN16	Trigger type	When closing a screen
<pre>//Transfer the axis switching data to each device from dummy device //When the setting switch is touched if([b:GB61000] == ON){ //Transfer the data to the axis device from dummy device [w:D800] = [w:GD61001]; [w:GD61050] = [w:GD61001]; //Switch the displayed settings of the parameter according to the power supply type if([w:GD61002] == 1){ [b:GB61010] = OFF; } if([w:GD61002] == 2){ [b:GB61010] = ON; } //Set the Automatic Reading at Address Number Switching trigger set([b:GB61020]); } //Reset the value stored in the axis switching window [w:GD61001]=0xFF; [w:GD61002]=0; rst([b:GB61000]); rst([b:GB61001]); rst([b:GB61002]);</pre>			

Window screen 32001

Script No.	30105	Script name	Script30105
Comment	Input area initialization		
Data type	Signed BIN16	Trigger type	ON GB62000
<pre>//Initialize the input area by transferring the value stored in the reading area to the writing area when the operation data input window is displayed [w:D2700[w:GD63000]] = [w:D1000[w:GD63000]]; //Position [w:D2828[w:GD63000]] = [w:D1128[w:GD63000]]; //Operating speed [w:D2956[w:GD63000]] = [w:D1256[w:GD63000]]; //Operation mode [w:D3084[w:GD63000]] = [w:D1384[w:GD63000]]; //Operation function [w:D3212[w:GD63000]] = [w:D1512[w:GD63000]]; //Acceleration [w:D3340[w:GD63000]] = [w:D1640[w:GD63000]]; //Deceleration [w:D3468[w:GD63000]] = [w:D1768[w:GD63000]]; //Push current [w:D3596[w:GD63000]] = [w:D1896[w:GD63000]]; //Sequential positioning [w:D3724[w:GD63000]] = [w:D2024[w:GD63000]]; //Dwell time //Terminate the activation trigger of the script.</pre>			

Window screen 32004

Script No.	30146	Script name	Script30146
Comment	IN Data setting		
Data type	Signed BIN16	Trigger type	ON GB62004
<pre>// Write the data of IN input function selection to the driver // [u16:GD61015]: Signal number of IN input // [u32:GD61016]: Temporary device of IN input function selection switch([u16:GD61015]){ case 0: [u32:D4040] = [u32:GD61016]; // IN0 input function selection setting break; case 1: [u32:D4042] = [u32:GD61016]; // IN1 input function selection setting break; case 2: [u32:D4044] = [u32:GD61016]; // IN2 input function selection setting break; case 3: [u32:D4046] = [u32:GD61016]; // IN3 input function selection setting break; case 4: [u32:D4048] = [u32:GD61016]; // IN4 input function selection setting break; case 5: [u32:D4050] = [u32:GD61016]; // IN5 input function selection setting break; case 6: [u32:D4052] = [u32:GD61016]; // IN6 input function selection setting break; case 7: [u32:D4054] = [u32:GD61016]; // IN7 input function selection setting break; } [b:GB62004] = 0; //Terminate the activation trigger of the script. [w:GD60004] = 0; //Terminate the overlap window</pre>			

Window screen 32005

Script No.	30151	Script name	Script30151
Comment	NET-IN Data setting		
Data type	Signed BIN16	Trigger type	ON GB62004
<pre>// Write the data of NET-IN input function selection to the driver // [u16:GD61021]: Signal number of NET-IN input // [u32:GD61022]: Temporary storage device for NET-IN input function selection switch([u16:GD61021]){ case 0 : [u32:D4090] = [u32:GD61022]; // NET-IN0 input function selection setting break; case 1 : [u32:D4092] = [u32:GD61022]; // NET-IN1 input function selection setting break; case 2 : [u32:D4094] = [u32:GD61022]; // NET-IN2 input function selection setting break; case 3 : [u32:D4096] = [u32:GD61022]; // NET-IN3 input function selection setting break; case 4 : [u32:D4098] = [u32:GD61022]; // NET-IN4 input function selection setting break; case 5 : [u32:D4100] = [u32:GD61022]; // NET-IN5 input function selection setting break; case 6 : [u32:D4102] = [u32:GD61022]; // NET-IN6 input function selection setting break; case 7 : [u32:D4104] = [u32:GD61022]; // NET-IN7 input function selection setting break; case 8 : [u32:D4106] = [u32:GD61022]; // NET-IN8 input function selection setting break; case 9 : [u32:D4108] = [u32:GD61022]; // NET-IN9 input function selection setting break; case 10: [u32:D4110] = [u32:GD61022]; // NET-IN10 input function selection setting</pre>			

```

        break;
    case 11: [u32:D4112] = [u32:GD61022]; // NET-IN11 input function selection setting
        break;
    case 12: [u32:D4114] = [u32:GD61022]; // NET-IN12 input function selection setting
        break;
    case 13: [u32:D4116] = [u32:GD61022]; // NET-IN13 input function selection setting
        break;
    case 14: [u32:D4118] = [u32:GD61022]; // NET-IN14 input function selection setting
        break;
    case 15: [u32:D4120] = [u32:GD61022]; // NET-IN15 input function selection setting
        break;
}

[b:GB62004] = 0; //Terminate the activation trigger of the script.
[w:GD60004] = 0; //Terminate the overlap window

```

Window screen 32005

Script No.	30147	Script name	Script30147
Comment	OUT/NET-OUT Data setting		
Data type	Signed BIN16	Trigger type	ON GB62004
// Write the data of OUT/NET-OUT output function selection to the driver			
// [b:GB62005]: Bit to distinguish between OUT and NET-OUT (1: OUT, 0: NET-OUT)			
// [u16:GD61018]: Signal number of OUT output			
// [u16:GD61024]: Signal number of NET-OUT output			
// [u16:GD61019]: Temporary storage device for OUT/NET-OUT output function selection			
<pre> if([b:GB62005] == 1){ // When OUT output function is selected switch([u16:GD61018]){ case 0: [u32:D4072] = [u32:GD61019]; // OUT0 output function selection setting break; case 1: [u32:D4074] = [u32:GD61019]; // OUT1 output function selection setting break; case 2: [u32:D4076] = [u32:GD61019]; // OUT2 output function selection setting break; case 3: [u32:D4078] = [u32:GD61019]; // OUT3 output function selection setting break; case 4: [u32:D4080] = [u32:GD61019]; // OUT4 output function selection setting break; case 5: [u32:D4082] = [u32:GD61019]; // OUT5 output function selection setting break; } } else { // When NET-OUT output function is selected switch([u16:GD61024]){ case 0 : [u32:D4122] = [u32:GD61019]; // NET-OUT0 output function selection setting break; case 1 : [u32:D4124] = [u32:GD61019]; // NET-OUT1 output function selection setting break; case 2 : [u32:D4126] = [u32:GD61019]; // NET-OUT2 output function selection setting break; case 3 : [u32:D4128] = [u32:GD61019]; // NET-OUT3 output function selection setting break; case 4 : [u32:D4130] = [u32:GD61019]; // NET-OUT4 output function selection setting break; case 5 : [u32:D4132] = [u32:GD61019]; // NET-OUT5 output function selection setting break; case 6 : [u32:D4134] = [u32:GD61019]; // NET-OUT6 output function selection setting break; case 7 : [u32:D4136] = [u32:GD61019]; // NET-OUT7 output function selection setting break; case 8 : [u32:D4138] = [u32:GD61019]; // NET-OUT8 output function selection setting break; case 9 : [u32:D4140] = [u32:GD61019]; // NET-OUT9 output function selection setting break; } } </pre>			

```

        break;
    case 10: [u32:D4142] = [u32:GD61019]; // NET-OUT10 output function selection setting
        break;
    case 11: [u32:D4144] = [u32:GD61019]; // NET-OUT11 output function selection setting
        break;
    case 12: [u32:D4146] = [u32:GD61019]; // NET-OUT12 output function selection setting
        break;
    case 13: [u32:D4148] = [u32:GD61019]; // NET-OUT13 output function selection setting
        break;
    case 14: [u32:D4150] = [u32:GD61019]; // NET-OUT14 output function selection setting
        break;
    case 15: [u32:D4152] = [u32:GD61019]; // NET-OUT15 output function selection setting
        break;
    }
}

[b:GB62004] = 0; //Terminate the activation trigger of the script.
[w:GD60004] = 0; //Terminate the overlap window

```

6.6.3 Object Script

Base screen 30500

Object	Switch	Object ID *1	20042
Script user ID	1		
Data type	Unsigned BIN16	Trigger type	Device Writing
//Prevents exceeding the total number of the document pages. if([u16:GD60081] >= [u16:GD60082]){ [u16:GD60081] = [u16:GD60082] - 1; } 			

Window screen 30003

Object	Numerical Display	Object ID *1	10035
Script user ID	1		
Data type	Unsigned BIN16	Trigger type	Rise GB40
//Obtain Today's Year & Month from Clock Data [w:TMP950] = [w:GS650] & 0xF000; //Obtain Tenths Digit of "Last 2-Digits of Year" from Clock Data for Setting [w:TMP960] = [w:TMP950] >> 12; //Decimal Alignment [w:TMP968] = [w:TMP960] * 10; //BCD->BIN [w:TMP951] = [w:GS650] & 0x0F00; //Obtain Ones Digit of "Last 2-Digits of Year" from Clock Data for Setting [w:TMP961] = [w:TMP951] >> 8; //BCD->BIN [w:TMP973] = 2000 + [w:TMP968] + [w:TMP961]; //Set Year to TMP973 as BIN [w:GD63990] = [w:TMP973]; //Set Year [w:TMP952] = [w:GS650] & 0x00F0; //Obtain Tenths Digit of Month from Clock Data for Setting [w:TMP962] = [w:TMP952] >> 4; //Decimal Alignment [w:TMP969] = [w:TMP962] * 10; //BCD->BIN [w:TMP953] = [w:GS650] & 0x000F; //Obtain Ones Digit of Month from Clock Data for Setting [w:TMP974] = [w:TMP969] + [w:TMP953]; //Set Month to TMP974 as BIN [w:GD63991] = [w:TMP974]; //Set Month [w:TMP954] = [w:GS651] & 0xF000; //Obtain Tenths Digit of "Last 2-Digits of Day" from Clock Data for Setting [w:TMP963] = [w:TMP954] >> 12; //Decimal Alignment [w:TMP970] = [w:TMP963] * 10; //BCD->BIN [w:TMP955] = [w:GS651] & 0x0F00; //Obtain Ones Digit of "Last 2-Digits of Day" from Clock Data for Setting [w:TMP964] = [w:TMP955] >> 8; //BCD->BIN [w:TMP975] = [w:TMP970] + [w:TMP964]; //Set Day to TMP975 as BIN [w:GD63992] = [w:TMP975]; //Set Day [w:TMP956] = [w:GS651] & 0x00F0; //Obtain Tenths Digit of Hour from Clock Data for Setting [w:TMP965] = [w:TMP956] >> 4; //Decimal Alignment [w:TMP971] = [w:TMP965] * 10; //BCD->BIN [w:TMP957] = [w:GS651] & 0x000F; //Obtain Ones Digit of Hour from Clock Data for Setting [w:TMP976] = [w:TMP971] + [w:TMP957]; //Set Hour to TMP976 as BIN [w:GD63993] = [w:TMP976]; //Set Hour			


```
[w:TMP958] = [w:GS652] & 0xF000; //Obtain Tenths Digit of "Last 2-Digits of Minute" from Clock Data for Setting
[w:TMP966] = [w:TMP958] >> 12; //Decimal Alignment
[w:TMP972] = [w:TMP966] * 10; //BCD->BIN
[w:TMP959] = [w:GS652] & 0x0F00; //Obtain Ones Digit of "Last 2-Digits of Minute" from Clock Data for Setting
[w:TMP967] = [w:TMP959] >> 8; //BCD->BIN
[w:TMP977] = [w:TMP972] + [w:TMP967]; //Set Minute to TMP977 as BIN
[w:GD63994] = [w:TMP977]; //Set Minute
```

```
[w:TMP993] = [w:GS652] & 0x00F0; //Obtain Tenths Digit of Second from Clock Data for Setting
[w:TMP995] = [w:TMP993] >> 4; //Decimal Alignment
[w:TMP996] = [w:TMP995] * 10; //BCD->BIN
[w:TMP994] = [w:GS652] & 0x000F; //Obtain Ones Digit of Second from Clock Data for Setting
[w:TMP978] = [w:TMP996] + [w:TMP994]; //Set Second to TMP978 as BIN
[w:GD63995] = [w:TMP978]; //Set Second
```

Object	Numerical Display	Object ID *1	10036
Script user ID	2		
Data type	Unsigned BIN16	Trigger type	Ordinary

//BIN -> BCD Conversion

```
[w:TMP979] = [w:GD63990] - 2000; //Last 2-Digits of Year
```

```
[w:TMP980] = (([w:TMP979] / 10) << 4) + ([w:TMP979] % 10); //Year BIN -> BCD
[w:TMP981] = (([w:GD63991] / 10) << 4) + ([w:GD63991] % 10); //Month BIN -> BCD
[w:TMP982] = (([w:GD63992] / 10) << 4) + ([w:GD63992] % 10); //Day BIN -> BCD
[w:TMP983] = (([w:GD63993] / 10) << 4) + ([w:GD63993] % 10); //Hour BIN -> BCD
[w:TMP984] = (([w:GD63994] / 10) << 4) + ([w:GD63994] % 10); //Minute BIN -> BCD
[w:TMP985] = (([w:GD63995] / 10) << 4) + ([w:GD63995] % 10); //Second BIN -> BCD
```

Object	Numerical Display	Object ID *1	10037
Script user ID	3		
Data type	Unsigned BIN16	Trigger type	Ordinary

//Year & Month Setting

```
[w:GS513] = ([w:TMP980] << 8) + [w:TMP981]; //Set Year & Month to Change Time Device
```

Object	Numerical Display	Object ID *1	10032
Script user ID	4		
Data type	Unsigned BIN16	Trigger type	Ordinary

//Date & Time Setting

```
[w:GS514] = ([w:TMP982] << 8) + [w:TMP983]; //Set Date & Time to Change Time Device
```

Object	Numerical Display	Object ID *1	10033
Script user ID	5		
Data type	Unsigned BIN16	Trigger type	Ordinary

//Minute & Second Setting

```
[w:GS515] = ([w:TMP984] << 8) + [w:TMP985]; //Set Minute & Second to Change Time Device
```

Object	Numerical Display	Object ID *1	10034
Script user ID	6		
Data type	Unsigned BIN16	Trigger type	Ordinary

//Day of Week Setting

```
[w:TMP986] = [w:GD63990]; //Year (BIN)
[w:TMP987] = [w:GD63991]; //Month (BIN)
[w:TMP988] = [w:GD63992]; //Day (BIN)
```

```
if(([w:TMP987] == 1) || ([w:TMP987] == 2)){ //Correction Processing to Calculate January and February as 13th/14th Month
```

```
    [w:TMP986] = [w:TMP986] - 1; //Subtract 1 from Year
```

```
    [w:TMP987] = [w:TMP987] + 12; //Add 12 to Month
```

```
}
```

```
[w:TMP989] = [w:TMP986]/4; //Create Items Required for Zeller's Congruence
```

$\begin{aligned} [w:TMP990] &= [w:TMP986]/100; \text{ //Create Items Required for Zeller's Congruence} \\ [w:TMP991] &= [w:TMP986]/400; \text{ //Create Items Required for Zeller's Congruence} \\ [w:TMP992] &= (13*[w:TMP987]+8)/5; \text{ //Create Items Required for Zeller's Congruence} \\ \\ &\text{//Calculate Day of Week Using Zeller's Congruence and Set the Day to Change Time Device} \\ [w:GS516] &= ([w:TMP986]+[w:TMP989]-[w:TMP990]+[w:TMP991]+[w:TMP992]+[w:TMP988])\%7; \end{aligned}$
--

*1 The Object ID might be changed when a screen is utilized.

7. MANUAL DISPLAY

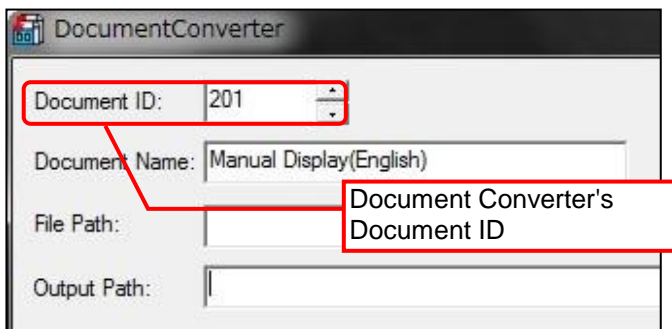
Manuals can be displayed using the document display function. For more details about the document display function, please refer to the "GT Designer3 (GOT2000) Help". Please note that the document display function does not support language switching. Therefore, in the sample screens, the language of document is switched by switching the document (Document ID) specified for a display language.

7.1 Preparing Document Data for Manual Display

Example: Displaying a English manual (document) for Manual Display on the base screen B-30500

- (1) Convert the manual (Word or Excel, etc.) to be displayed into the document data (JPEG file) that can be used with the document display function by using Document Converter. Set the Document Converter's [Document ID] to 201.

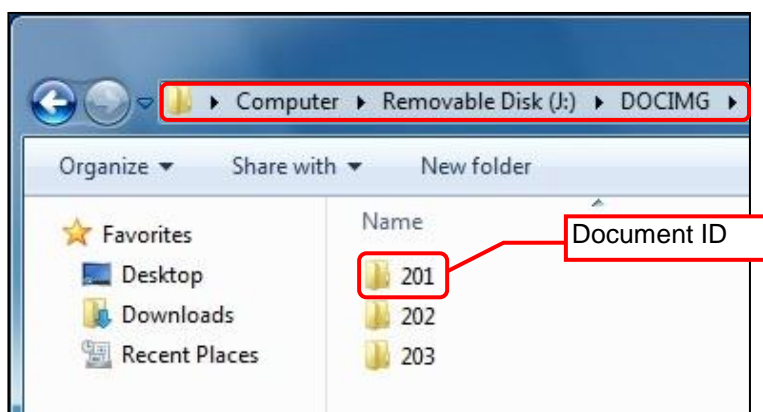
*For details of the relation between Document ID and Display language, please refer to the table below.



Column No. of the comment group No	Language	Document ID
1	English	201
2	Japanese	202
3	Chinese (Simplified)	203

*Please use Document Converter 2.09k or later. The total number pages and pages switches cannot work properly with 2.08 or older versions.

- (2) The document data is generated in the 201 folder in the DOCIMG. Save the entire DOCIMG folder into the SD card root directory without changing the folder configuration inside the DOCIMG folder.



SD card folder configuration

Note: In case the total number of pages is 100 or more.

This sample is made with the assumption that the total number of pages is up to 99 pages. If it exceeds 99 pages, please modify the format of numerical input (the number of "#") that displays the total number of pages and the page number of the currently displayed page.

8.1 Ladder Program

(1) Start I/O No. of CC-Link module and CC-Link station No. of network converter



```

+ *****
+ STOP operation by remote I/O
+ *****

```

```

( 0) [ M1 230 (STOP flag) ] [ M1 231 (Operation data screen) ] [ = D800 Address number K0 ] --- Y1 005 (Axis0 STOP)
      |
      | M1 235 (Multi Line 1) [ M1 070 (Axis 0-3 operation flag) ]
      |
      | M1 231 (Operation data screen) [ = D800 Address number K1 ] --- Y1 015 (Axis1 STOP)
      |
      | M1 236 (Multi Line 2) [ M1 070 (Axis 0-3 operation flag) ]
      |
      | M1 231 (Operation data screen) [ = D800 Address number K2 ] --- Y1 025 (Axis2 STOP)
      |
      | M1 237 (Multi Line 3) [ M1 070 (Axis 0-3 operation flag) ]

```